

**WOOD**  
and the  
**DESIGNER**

**William Mallinson and Sons Ltd.**









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1963.



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Wood and the designer.

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1962

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# WOOD and the DESIGNER

with Tables of Technical  
Data of value to the  
Architect, Designer, Surveyor,  
Engineer and Builder  
relating to   Hardwood  
                  Plywood  
                  Veneer  
                  Laminates  
                  Partitioning

**William Mallinson  
and Sons Ltd.**

130 HACKNEY ROAD, LONDON, E.2

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## INTRODUCTION

Timber and wood products are peculiarly difficult to standardise and classify. Wood has the distinction of being the raw material which requires less work than almost any other in order to provide a finished product. This economy, however, brings with it variations in quality and appearance, and the real safeguard to the user is the integrity, standards and experience of the supplier.

The first part of this book contains a list, in classified form, of some of the jobs—large and small—for which we have supplied materials. We are very proud of this list and a glance through it will show that here at Mallinson's is a source of supply which commands confidence.

The second part of the book contains a unique fund of technical information which will be of lasting value; our showrooms, which contain examples of everything described in this section, are freely at your disposal.

Finally, may we add a warning. In order to secure the quality and service which good work demands it is essential that specifications are clear, complete and free from ambiguity. Your particular attention is therefore drawn to the section dealing with this on page 62.



## Classified List of Jobs

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## BANKS

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Australia and New Zealand Bank Limited.  
Banco Espanol en Londres, S.A.  
Bank of England.  
Bank of London & South America Limited.  
Bank of New York, U.S.A.  
Bank of Scotland.  
Barclays Bank Limited.  
Barclays Bank D.C.O.  
Bristol Trustee Savings Bank.  
Chase-Manhattan Bank, New York, U.S.A.  
Clydesdale & North of Scotland Bank Limited.  
Devon & Exeter Savings Bank.  
District Bank Limited.  
English, Scottish and Australian Bank, Limited.  
First National Bank of Miami, Florida, U.S.A.  
First National City Bank, New York, U.S.A.  
Guinness Mahon Executor & Trustee Co. Ltd., E.C.3.  
Hambros Bank Ltd., E.C.2.  
Kleinwort Sons & Co. Ltd., E.C.3.  
Lloyds Bank Limited.  
Martins Bank Limited.  
Midland Bank Limited.  
Morgan Guaranty Trust Co., New York, U.S.A.  
Munster and Leinster Bank Limited.  
National Commercial Bank of Scotland Limited.  
National Provincial Bank Limited.  
Provincial Bank of Ireland Limited.  
The Bankers' Clearing House Limited.  
The British Linen Bank.  
The National Bank Limited, Eire.  
The Royal Bank of Scotland.  
Westminster Bank Limited.  
Williams Deacon's Bank Limited.  
Yorkshire Bank Limited.

## CHURCHES

---

Christ Church Cathedral, Canterbury.  
St. Paul's Cathedral.  
St. George's Cathedral, Southwark, S.E.1.  
Cathedral Church of St. James, Bury St. Edmunds.  
Cathedral Church of Christ, Liverpool.  
Cathedral Church of the Holy and Indivisible Trinity,  
Gloucester.  
Cathedral Church of the Holy Spirit in Guildford.  
The Cathedral Church of the Blessed Virgin Mary and  
St. Chad, Lichfield.  
Coventry Cathedral.  
Norwich Cathedral.  
Nottingham Cathedral.  
St. Giles Cathedral Church, Edinburgh.  
St. John the Divine Cathedral, Oban.  
St. David's Cathedral, Wales.  
Cathedral Church of St. Peter and St. Paul, Llandaff.  
Washington Cathedral, Washington, D.C., U.S.A.  
Pro-Cathedral Church of Our Lady of Dolours, Wrexham.  
Westminster Abbey.  
The Queen's Free Chapel of St. George within Her Castle of  
Windsor.  
Thistle Chapel, Edinburgh.  
Buckingham Palace Chapel.  
Douai Abbey and College, Berks.  
Selby Abbey, Yorkshire.  
Tewkesbury Abbey.  
City Temple.  
United Synagogue, W.1.  
Ampleforth Church.  
Birstall Methodist Church, Leicester.  
Boulevard Congregational Church, Weston-super-Mare.  
Carmelite Priory, Kensington, W.8.  
Counterslip Baptist Church, Bristol.  
Holy Trinity Parish Church, Hull.  
London Temple Church of Jesus Christ of Latter Day Saints,  
East Grinstead.  
Metropolitan Tabernacle, Elephant and Castle, S.E.11.  
Mildenhall Church.  
Newington Presbyterian Church, Belfast.  
Our Lady of Fatima, Harlow.  
Our Lady of the Immaculate Conception, Bangor.  
Our Lady of Victories, Kensington, W.8.



Parish Church of St. Helen, City of London.  
Royal Military Chapel, Wellington Barracks, Westminster,  
S.W.1.  
St. Andrew's, Plymouth.  
St. Bernadett's Presbytery, Didsbury.  
St. Boniface Catholic Church, Stepney, E.1.  
St. George and St. Mary, Cockington, Devon.  
St. Herbert, Chadderton.  
St. Lawrence, Little Waldingfield.  
St. Lawrence Jewry, City of London.  
St. Mark, Newby, Scarborough.  
St. Mary Church, Torquay.  
St. Mary Redcliffe, Bristol.  
St. Mary Virgin, Islington, N.1.  
St. Teresa of the Child Jesus, Bristol.  
Whitfield Memorial Church, Tottenham Court Rd., W.1.  
Whitleigh Methodist Church, Plymouth.  
  
Our Lady of Lourdes Convent, Manchester.

## CREMATORIA

---

City of Salford.  
Enfield, N.17.  
Huddersfield.  
Manchester.  
Rosehill, Doncaster.  
Scarborough.  
York.

## HOSPITALS

---

Central Health Clinic, Bristol.  
Gateside Infectious Diseases Hospital, Greenock.  
Heathfield Hospital, Ayr.  
Huddersfield Royal Infirmary.  
Metropolitan Hospital, E.8.  
Mount Carmel Hospital, Dublin.  
Norfolk & Norwich Hospital.  
Perth Royal Infirmary.  
Princess Margaret Hospital, Swindon.  
Royal Dental Hospital, Leicester Square, W.1.  
Royal Infirmary of Edinburgh.  
Royal Masonic Hospital, Ravenscourt Park, W.6.  
St. George's Hospital, S.W.1.  
Stobhill Hospital, Glasgow.  
Vale of Leven Hospital, Alexandria, Dunbartonshire.  
Westminster Hospital, Westminster, S.W.1.  
West Wales General Hospital, Glangwili, Carmarthen.  
Withington Hospital, Dublin.

## NATIONAL & HISTORIC BUILDINGS

---

Windsor Castle.  
Buckingham Palace.  
The Tower of London.  
Hampton Court Palace.  
Westminster Hall.  
  
Houses of Parliament.  
Royal Hospital, Chelsea.  
National Gallery, Trafalgar Square, W.C.2.  
The Sheldonian, Oxford.  
Parliament Buildings, Belfast.  
Chequers, Nr. Princes Risborough.  
10, Downing Street.  
11, Downing Street.



## INSURANCE COMPANIES & BUILDING SOCIETIES

---

Abbey National Building Society.  
Alliance Assurance Co. Limited.  
Bridgwater Building Society.  
Britannic Assurance Company Limited.  
British Engine, Boiler & Electrical Insurance Co. Ltd.,  
Manchester.  
Burnley Building Society.  
Co-operative Permanent Building Society.  
Cornhill Insurance Company, Limited.  
Equity & Law Life Assurance Society Limited.  
General Accident Fire and Life Assurance Corporation,  
Limited.  
The Halifax Building Society.  
Leeds Permanent Building Society.  
Leek United & Midlands Building Society.  
Legal and General Assurance Society Limited.  
Leicester Permanent Building Society.  
Leicester Temperance Building Society.  
Lloyd's.  
Metropolitan Pensions Association Limited, S.W.1.  
National Mutual Life Assurance Society.  
Norwich Union Insurance Societies.  
Pearl Assurance Company, Limited.  
Royal Exchange Assurance, E.C.3.  
Royal Insurance Company Limited.  
Royal London Mutual Insurance Society Limited.  
Scottish Widows' Fund & Life Assurance Society.  
Scott North Insurance Brokers, Glasgow.  
Sedgwick Collins & Co. Limited.  
Shern Hall (Methodist) Building Society, E.17.  
Woolwich Equitable Building Society.  
The Yorkshire Insurance Company Limited.  
Mutual Benefit Life Insurance Co., Newark, New Jersey, U.S.A.  
Peninsular Life Insurance Company, Florida, U.S.A.  
Provident Life & Accident Insurance Co., Chattanooga,  
Tennessee, U.S.A.  
Prudential Assurance Company Limited, Johannesburg,  
South Africa.



## THE LAW

---

The Old Bailey, E.C.4.  
Courts of Law, Manchester.  
The Inner Temple, E.C.4.  
High Courts, Dar-es-Salaam, Tanganyika.  
The Four Courts, Dublin.

Police Courts and Headquarters, Exeter.  
Police Courts and Headquarters, Derby.  
Police Courts, Cambridge.  
Police Courts, Daventry.  
Police Courts, Corby.  
Police Headquarters, Grimsby.  
Police Headquarters, Hull.  
Police Headquarters, Newcastle-on-Tyne.  
Police Headquarters, Sutton Coldfield.  
Police Station, Wellingborough.

Psychiatric Prison, Aylesbury.  
Hindley Security Training Prison, Bickershaw.  
Borstal Institution, Lichfield.  
Borstal Institution, Rayleigh.  
Borstal Institution, Ashford.

## HOTELS, THEATRES & RESTAURANTS

---

Burford Bridge Hotel, Dorking.  
Burlington Hotel, Eastbourne.  
The Carlton Tower, London, S.W.1.  
Central Hotel, Carlisle.  
Chase Hotel, York.  
Cumberland Hotel, Marble Arch, W.1.  
Dorchester Hotel, Mayfair, W.1.  
The Eagle, King's Lynn.  
Four Winds Hotel, Aberavon.  
The Garibaldi, Great Yarmouth.  
Grand Hotel, Eastbourne.  
Greyhound Hotel, Bristol.  
Grosvenor House, Park Lane, W.1.  
Hog's Back Hotel, Seale, Nr. Farnham.  
Hotel Leofric, Coventry.  
Kensington Palace Hotel, London, W.8.  
Mayfair Hotel, Mayfair, W.1.

Mount Royal Hotel, Marble Arch, W.1.  
Oberon Hotel, Grimsby.  
Pavilion Hotel, Scarborough.  
Saracen's Head, London.  
Three Lamps Hotel, Swansea.  
The Westbury Hotel, Mayfair, W.1.

Bellevue Ballrooms, Manchester.  
Jubilee Hall, Aldeburgh.  
Mermaid Theatre, Puddle Dock, E.C.4.  
New Pavilion, Torquay.  
Royal Festival Hall, South Bank, S.E.1.  
Royalty Theatre, Kingsway, W.C.2.  
Queen's Theatre, Shaftesbury Avenue, W.1.

Butterwalk Restaurant, Dartmouth.  
Cafe Royal Restaurant, Regent Street, W.1.  
Mirabelle Restaurant, Mayfair, W.1.  
Four Seasons Restaurant, Seagram Building, New York, U.S.A.

## UNIVERSITIES, LEARNED SOCIETIES, COLLEGES & SCHOOLS

---

Birmingham University.  
Bristol University.  
Cambridge University.  
Edinburgh University.  
Oxford University.  
Queen's University, Belfast.  
University of Leeds.  
University of Liverpool.  
University of Nottingham.  
University of Reading.  
University of Sheffield.  
University of Wales, Cardiff.  
Victoria University of Manchester.  
University College of Hull.  
University College, London.  
University College of the South-West of England, Exeter.  
University College, Swansea.  
Royal College of Surgeons of England, Lincoln's Inn Fields, W.C.2.  
Royal Institute of British Architects, London, W.1.  
Institute of Marine Engineers.  
B.A.C. Technical College, Bristol.  
Banbury Commercial School.



## Continued: Universities, Learned Societies, Colleges and Schools

---

City & Guilds of London Institute.  
The College of Technology, Kingston-upon-Hull.  
Cordwainers Technical College, Hackney, E.8.  
South-East Essex Technical College and School of Art,  
Dagenham.  
South-West Essex Technical College and School of Art,  
Walthamstow, E.17.  
Munson-Williams Proctor Art Institute, Utica, U.S.A.  
Wisthill Training College, Birmingham.  
Aylesbury Grammar School.  
Charterhouse.  
Clifton College.  
Eton College.  
George Watson's College.  
King's Heath High School.  
Marlborough College.  
Merchant Taylors' School.  
Royal Masonic School for Girls, Rickmansworth.  
St. Mary's School.  
St. Paul's School.  
Sherborne School.  
Wythenshawe College.  
Heriot-Watt Institute, Edinburgh.  
Moston College of Further Education, Manchester.

*and schools for local authorities  
throughout England and Wales.*

## CIVIC & PUBLIC BUILDINGS

---

Australia House, London.  
New Zealand House, London.  
Rhodesia House, London.  
St. Andrew's House, Edinburgh.  
  
Chelsea Barracks, S.W.1.  
Honourable Artillery Company, Headquarters, E.C.1.  
Compton Castle, Devon.  
The Royal Commonwealth Society, W.C.2.  
  
Science Museum, South Kensington, S.W.7.  
Meteorological Offices, Bracknell.  
G.P.O. Halifax.  
G.P.O. Scarborough.  
Post Office, Driffield.

Post Office, Shipley.  
 Post Office, Kaysenhams.  
 Post Office, Ripon.  
  
 Acton Town Hall, W.3.  
 Barking Town Hall.  
 Barnsley Town Hall.  
 Bournemouth Town Hall.  
 Bristol Cycle Centre.  
 Burnley Town Hall.  
 Bury Town Hall, Lancs.  
 Chelmsford Town Hall.  
 County Hall, Kingston-upon-Thames.  
 Fulham Town Hall, S.W.6.  
 Guildhall, Portsmouth.  
 Guildhall, Plymouth.  
 The Guildhall, Swansea.  
 Guildhall, York.  
 Hackney Town Hall, E.8.  
 Hadden Town Hall, S.W.4.  
 Horsey Town Hall, N.8.  
 Manchester Town Hall.  
 Mansion House, City of London.  
 Merton Town Hall.  
 Norwich City Hall.  
 Preston Town Hall.  
 Richmond Town Hall, Surrey.  
 Slough Town Hall.  
 Southampton Civic Centre.  
 Wallingford Town Hall, E.17.  
 Wandsworth Town Hall, S.W.18.  
 Woodton Hall, Manchester.  
 Central Library, Manchester.  
 Central Library, Edinburgh.  
 Brewers Hall, E.C.2.  
 Butchers Hall, E.C.1.  
 Carpenters Hall, E.C.2.  
 Freemasons Hall, Bristol.  
 Masonic Peace Memorial, W.C.2.  
 Mercers Hall, E.C.2.  
 Pewterers Hall, E.C.2.  
 Saddlers Hall, E.C.2.  
 Palace of Peace, The Hague.  
 Palace of the League of Nations, Geneva.  
 U.N.E.S.C.O. Building, Paris.  
 United Nations Building, New York.  
 United Nations Building, Paris.  
 Government Offices, Havana.

## COMMERCIAL & PRIVATE BUILDINGS

---

A.E.I. Ltd., Peterborough.  
 A.E.I. Ltd., Rugby.  
 Aldermanbury House, E.C.2.  
 Allied Suppliers Ltd.  
 Allport House, Manchester.  
 Anchor Chemical Co., Manchester.  
 Aquascutum Limited, W.1.  
 Arthur Sanderson & Sons Ltd., Berners Street, W.1. and Leeds.  
 Ashmore, Benson, Pease & Co. Ltd., Hartlepool.  
 Aspro-Nicholas Limited, Slough.  
 A.T.V. House, W.1.  
 Austin Motor Co. Ltd.  
 Austin Reed Limited.  
 Austral House.  
 Bailey Meters & Controls Ltd.  
 Baltic Exchange, E.C.3.  
 Battlebridge House, Bermondsey, S.E.1.  
 Birmingham Chamber of Commerce.  
 R. C. Booker Ltd., Ipswich.  
 Boots Cash Chemists Limited, London, Bristol, Exeter,  
 and Yeovil.  
 Bovis Ltd. (Own Premises).  
 Bowater Paper Corporation Limited, Northfleet.  
 Bracken House (Financial Times), E.C.4.  
 Brinley & Co., Liverpool.  
 Bristol Co-operative Society Limited.  
 British Home Stores Limited.  
 British Nylon Spinners Limited.  
 British Titan Products Company Limited, Billingham.  
 Bucklersbury House, E.C.4.  
 Burtley House, Beaconsfield.  
 Castrol House, N.W.1.  
 Caxton Chocolate Co. Ltd.  
 Clayton Aniline Company Limited.  
 F. W. Cook & Co., Southampton.  
 Co-operative Wholesale Society Limited, Administrative  
 Block, Leman Street, E.1.  
 Corn Exchange, Liverpool.  
 Daily Mirror Building, E.C.1.  
 Diamond Trading Co. Ltd., E.C.1.  
 Dower House, Arundel Castle.  
 E.M.I. Ltd., Oxford St., W.1.  
 Engineering & Allied Employers Association, Birmingham.  
 English Electric House.  
 Esso Oil Refinery, Fawley.  
 Ford Motor Company Limited, Dagenham and Aveley.  
 Fountain House, E.C.3.  
 Gallaher Ltd.  
 A. W. Gamage Limited, Holborn, E.C.1.  
 General Steam Navigation Company Limited, E.C.3.  
 T. Grieve & Co. Ltd., Coalville.  
 Halford Cycle Company Offices, Birmingham.



Harrisons & Crosfield Ltd., E.C.3.  
 Harrods Limited, Knightsbridge and Birmingham.  
 Holborn Viaduct House.  
 Imperial Chemical Industries Limited, Millbank, S.W.1.  
     Billingham.  
     Alderley Edge.  
     Welwyn.  
     Stowmarket.  
     Winnington.  
 Head Wrightson & Co. Ltd., Stockton-on-Tees.  
 John Dewar & Sons Limited, Perth.  
 Kendalls Limited, Leicester.  
 John Laing & Sons Ltd. (Own Premises).  
 Locomotive House, S.W.1.  
 London Chamber of Commerce (Inc.), E.C.4.  
 J. Lyons & Company Limited, W.14.  
 Joseph Lucas Ltd., Coventry.  
 Mac Fisheries Ltd., E.C.4.  
 Mercantile Credit Co. Ltd.  
 Midland Employers' Mutual Assurance Offices.  
 National Union of Mineworkers, N.W.1.  
 National Union of Teachers, Hamilton House, W.C.1.  
 Neuchatel Asphalte Company Limited, S.W.1.  
 New Zealand Shipping Company Limited.  
 Peter Jones Limited.  
 Peter Robinson Limited.  
 Pfizer Ltd., Sandwich.  
 Phonotas Co. Ltd.  
 Qatar Staff Club, Iranian Oil Company.  
 Robertson & Woodcock Ltd.  
 Rutherfords Ltd., Liverpool.  
 Royal London House, Finsbury Square, E.C.2.  
 Schweppes Limited, Birmingham.  
 Selfridges Limited, London, W.1.  
 Shell Centre, South Bank, S.E.1.  
 W. H. Smith & Sons Limited.  
 Standard Telephone & Cables Ltd., Paignton.  
 Stewarts and Lloyds Ltd., Corby.  
 Sunbeam Wolsey Ltd., Cork.  
 Tate & Lyle Limited, Silvertown, E.16.  
 Television House, Kingsway, W.C.2.  
 Temple House, E.C.4.  
 Tillotsons Corrugated Cases Ltd.  
 Time and Life Building, W.1.  
 Torrington Fur Company Limited, W.1.  
 Tothill Press Ltd., S.W.1.  
 G. Percy Trentham & Sons Ltd.  
 Tube Investments Offices, Birmingham.  
 Unilever House, E.C.4.  
 United Africa House, S.E.1.  
 Vickers Building, Millbank, S.W.1.  
 Villiers House, Strand, W.C.2.  
 Walbrook House, Walbrook, E.C.4.  
 T. Wall & Sons Limited, Acton, W.3.  
 Wrighton & Pedder, Liverpool.

## Continued: Commercial and Private Buildings

---

William Clowes & Sons Limited.  
W. D. & H. O. Wills Ltd., Bristol.  
J. Wix & Sons Ltd.

Carson & Lundin (Architects' own offices), New York, U.S.A.  
Christian Science Publishing Society, Boston, Mass., U.S.A.  
Deering Milliken & Co. Inc., New York, U.S.A.  
Seagram Building (Executive & Main Offices), New York, U.S.A.  
Seagram Building (U.S. "Time" Executive Offices), New York, U.S.A.  
Tishman Realty & Construction Co., New York, U.S.A.  
Youngstown Sheet & Tube Company, Youngstown, Ohio, U.S.A.

Australian Paper Manufacturers Ltd.  
Consolidated Zinc Pty. Limited (Australian Headquarters).  
Guardian Assurance Co. Ltd. (Australian Head Office).  
National Insurance Co. of New Zealand Ltd. (Australian Head Office).  
Royal Automobile Club of Victoria, Australia.  
Shell Company of Australia Ltd. (Head Office).  
South British Insurance Co. Ltd., Australia.  
Vacuum Oil Co. Pty. Ltd. (Australian Head Office).

## PUBLIC CORPORATIONS

---

British Broadcasting Corporation Television Centre, Shepherds  
Bush, W.12.

British European Airways.  
British Overseas Airways Corporation.  
British Railways.

Central Electricity Generating Board—Marchwood.  
Aberthaw.  
Uskmouth.  
Willington 'C'.  
Brighton 'B'.  
Drakelow.

Eastern Electricity Board, Ipswich.  
Gatwick Airport.  
London Airport.  
London Electricity Board, Broad Street, E.C.2.  
London Transport Executive.  
Metropolitan Water Board, E.C.1.  
North Thames Gas Board.  
South-Eastern Electricity Board, Hove, Sussex.  
South of Scotland Electricity Board.  
South-Western Electricity Board, Bristol.  
Television House, Kingsway, W.C.2.  
United Kingdom Atomic Energy Authority—Capenhurst.  
Berkeley.  
Hinckley Point.  
Aldermaston.  
Harwell.  
Bradwell.  
Risley.

## SHIPS & OWNERS

---

H.M. Yacht  
H.M. Cruiser  
British & Commonwealth Shipping Co. Ltd.  
British India Steam Navigation Co. Ltd.  
B.P. Tanker Co. Ltd.  
Canadian Pacific Steamships Co. Ltd.  
Commissioners of Irish Lights  
Clan Line Steamers Ltd.  
Compania Nacional de Navegacao, Cia.  
Cunard Steamship Co. Ltd.,  
R. S. Dalglish Ltd.  
Elder Dempster Lines Ltd.  
Elders & Fyffes Ltd.  
Hain Steamship Co. Ltd.  
J. & C. Harrison Ltd.  
Holland-Amerika Line  
Houlder Bros. & Co. Ltd.  
Indo-China Steam Navigation Co. Ltd.  
"K" Steamship Co. Ltd.  
Moor Line Ltd.  
Nederland N.V. Stoomvaart Mij.  
New Zealand Shipping Co. Ltd.  
Niarchos (London) Ltd.  
Oranje Lijn (Maatschappij Zeetransport) N.V.  
Pacific Steam Navigation Co. Ltd.  
Palm Line Ltd.  
P. & O.—Orient Lines  
  
Port Line Ltd.  
Red Funnel Steamers Ltd.  
Royal Mail Lines Ltd.  
Shell Tankers Ltd.  
Frank C. Strick & Co. Ltd.  
Union-Castle Mail Steamship Co. Ltd.  
Andrew Weir & Co. Ltd.

*Britannia*  
*Lion*  
*Pendennis Castle*  
*Talamba*  
*British Cormorant*  
*Empress of Britain*  
*Atlanta*  
*Clan Ferguson, Clan Forbes, Clan Fraser*  
*Principe Perfeito*  
*Queen Elizabeth, Queen Mary, Caronia, Saxonica*  
*Ravensworth*  
*Dumurra*  
*Chicanao, Chirropo, Changuinola*  
*Trefusis*  
*Cingelli*  
*Statendam, Nieuw Amsterdam, Rotterdam*  
*Hardwicke Grange, Royston Grange, Denby Grange*  
*Eastern Ranger, Eastern Rover*  
*Kayeson*  
*Jedmoor, Kerrimoor, Linkmoor*  
*Oranje*  
*Derby, Kent*  
*World Explorer*  
*Princes Irene*  
*George Peacock, William Wheeleright, Somers Isle*  
*Ibadan Palm, Ilorin Palm, Kano Palm*  
*Canberra, Chusan, Garonne, Oriana, Oronsay, Orsova*  
*Port Nicholson, Port New Plymouth*  
*Carisbrooke Castle*  
*Amazon, Aragon, Arlanza*  
*Serenia, Solen*  
*Farsistan, Kohistan*  
*Pretoria Castle, Rhodesia Castle*  
*Levern Bank*

## AIRCRAFT

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Airspeed *Ambassador*  
British Aircraft Corporation *BAC111*  
Beagle *B206, B218*  
Boeing *Stratocruiser, 707*  
Bristol *Britannia*  
Convair *340, 440*  
De Havilland *Comet, Dove, Trident*

Douglas *DC3, DC4*  
Fokker *Friendship*  
Shorts *Belfast, Skyvan*  
Vickers *Viking, Viscount 700, 800, 810, VC10*  
Whitworth-Gloster *Argosy*  
  
Denny *Hovercraft D2, D3*





## TECHNICAL DATA

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# LYDNEY PLYWOOD

At Lydney, Gloucestershire, are produced some sixteen million sq. ft. per annum. This is high quality plywood made with the latest up-to-date methods and machinery either to standard grades or for special purposes, and the whole production is bonded to the highest British W.B.P. (Weather and Boil Proof) specification.

In STANDARD PLYWOOD boards are supplied to :

**B.S. 1455:** the standard for British Made Plywood. This gives a specification for various grades of face veneer which may be supplied in any combination called for by the customer.

**B.S. 1203:** which specifies types of bonding. All Lydney Plywood is made to W.B.P. (Weather and Boil Proof). The test, which includes boiling for 72 hours, is an accelerated test to simulate exposure over a long period.

## STANDARD SIZES

Lengths:	96", 84", 78", 72", 60"
Widths:	60", 54", 48", 42", 36"
Thicknesses:	$\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ ", 1", and thicker

## Scarfig

Standard boards can be scarfed in length or width to make larger boards.

## Cut Sizes

We offer a special service where quantities enable us to employ mass production methods of supplying standard boards sawn to customers' dimensions and also, if required, sawn, spindled or routed to special shapes and sizes.

In addition to the above standard specifications, plywood is also manufactured for special purposes as follows :

*'Aquaply'*  
REGISTERED TRADE MARK

Marine Plywood made to B.S. 1088 which includes bonding to B.S. 1203 W.B.P. Aquaply is produced to meet the exacting requirements of the professional boatbuilder as well as the amateur building his first craft. Face veneers are chosen for appearance and are of selected Utile/Sapele which besides being tough provide a most attractive grain when polished. Aquaply has a high ratio of strength to weight.





Photo by : Beken & Son, Cowes.

29' 9" CLASS II Ocean Racer.


*Built for Mr. Michael Pruett of Chippendale Boats Ltd., by R. & W. Clark, Ltd., East Cowes. Aquaply was used for the entire hull which is the lightest of its size ever built and the yacht has reached a speed of 18 knots.*

'BLACK SOO'

## AGRIPLY

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Lydney Plywood made for agricultural work and provides for the many uses about the farm. Because of the cross-ply construction, it will not split, and it is both tough and rigid. It is supplied in large sheets, size 96"  $\times$  48", which cut up economically. Agriply can be cut with normal woodworking tools, and it holds nails and screws well. It is Weather and Boil Proof and provided the wood is treated with paint or preservative in the normal way it gives long service. The surface of Agriply is smooth and paints well.

*Battery-housing illustrates one of the many uses  
of Agriply about the farm* 

## PLYFORM

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Lydney Plywood made specially for concrete shutter work with  $\frac{1}{8}$ " thick Utile/Mahogany faces to stand up to this rough work and reliable reports have been received of over 60 re-uses. Again the bond is to W.B.P. which means that even in the wettest conditions Plyform will not delaminate. It is used extensively throughout the country on civil engineering contracts such as Power Stations, Water Works, etc., and also on other building contracts. Plyform produces a smooth surface on the concrete which can normally be left without chipping and rendering.

In addition to use for shuttering, Plyform provides for many other needs, where tough  $\frac{1}{8}$ " faces are an advantage.



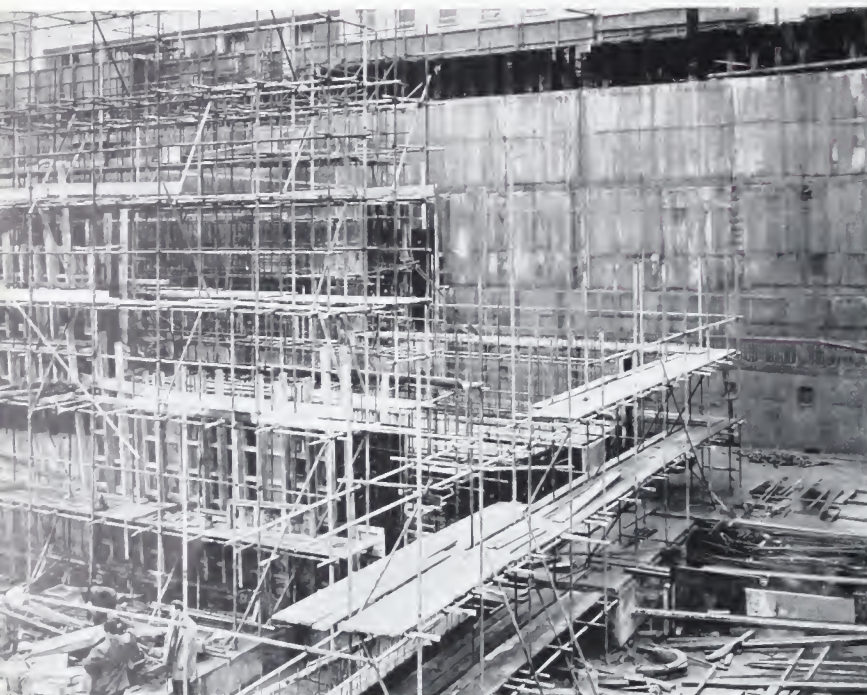




## SEALFACE

This is similar to Plyform except that it is faced on both sides with a plastic film during manufacture which is not only very durable but also produces an exceptionally smooth surface. It is used extensively for pre-cast concrete work.

*Plyform and Sealface were used in very large quantities for the new Shell Centre in London.*



### Plywood Thickness Chart

Decimal of an inch	Fraction of an inch	Decimal of a mm.
.0156	1/64	.40
.0313	1/32	.79
.0469	3/64	1.19
.0625	1/16	1.59
.0781	5/64	1.98
.0938	3/32	2.38
.1094	7/64	2.78
.125	1/8	3.18
.1406	9/64	3.57
.1563	5/32	3.97
.1719	11/64	4.37
.1875	3/16	4.76
.2031	13/64	5.16
.2188	7/32	5.56
.2344	15/64	5.95
.25	1/4	6.35
.2656	17/64	6.75
.2813	9/32	7.14
.2969	19/64	7.54
.3125	5/16	7.94
.3281	21/64	8.33
.3438	11/32	8.73
.3594	23/64	9.13
.375	3/8	9.53
.3906	25/64	9.92
.4063	13/32	10.32
.4219	27/64	10.72
.4375	7/16	11.11
.4531	29/64	11.51
.4688	15/32	11.91
.4844	31/64	12.30
.5	1/2	12.7
.5156	33/64	13.10
.5313	17/32	13.49
.5469	35/64	13.89
.5625	9/16	14.29
.5781	37/64	14.68
.5938	19/32	15.08
.6094	39/64	15.48
.625	5/8	15.88
.6406	41/64	16.27
.6563	21/32	16.67
.6719	43/64	17.07
.6875	11/16	17.46
.7031	45/64	17.86
.7188	23/32	18.26
.7344	47/64	18.65
.75	3/4	19.05
.7656	49/64	19.45
.7813	25/32	19.84
.7969	51/64	20.24
.8125	13/16	20.64
.8281	53/64	21.03
.8438	27/32	21.43
.8594	55/64	21.83
.875	7/8	22.23
.8906	57/64	22.62
.9063	29/32	23.02
.9219	59/64	23.42
.9375	15/16	23.81
.9531	61/64	24.21
.9688	31/32	24.61
.9844	63/64	25.00
1.	1	25.4

### DECORATIVE VENEER THICKNESSES

Approximate Equivalents	mm.	0.5	0.6	0.7	0.8	0.9
	ins.	1/45	1/42	1/35	1/32	1/28

LYDNEY Standard Thicknesses in Heavy Type

ARMOURPLY

## ARMOURPLY

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### What it is

Armourply is plywood covered on one or both sides with thin-gauge steel, aluminium or other metals. A special cement is used, forming a permanent bond, and the result is a board which combines great strength with lightness.

Armourply is made in all thicknesses from  $\frac{5}{32}$ " upwards. Sizes are to a certain extent controlled by the size of the metal sheets, but surface joints can usually be made to build up larger sizes.

Armourply doors are also supplied.

$\frac{1}{4}$ " Armourply is about 50 times stiffer than sheet steel of the same weight.

### Metals

Aluminium and galvanised steel are mostly used, but the following are also supplied :—black metal, stainless steel, planished steel, monel metal, zinc, copper, bronze, etc. Lead Armourply is supplied for X-ray purposes.

### Uses

Armourply is supplied for :—

Lavatory compartments	Commercial vehicle bodies
Bath and dressing cubicles	Motor car bodies
Lockers	Omnibus bodies
Mess tables, food counters, etc.	Escalators
Hospital tables and shelves	Railway carriages and wagons
X-ray insulation	Refrigerators
Shop fronts, fascias and signs	Flush doors and office partitions
Screened radio case construction	Machine casings

Our technical service is available to suggest the most suitable metals, thicknesses and methods of application.

### Fabrication

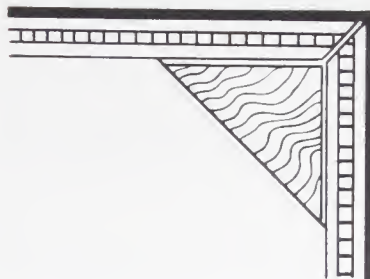
Armourply is sawn and machined with ease. It can be nailed or riveted and bent or moulded to curved shapes. Edges may be sealed so that the plywood core is entirely covered. Methods vary according to the metal used.



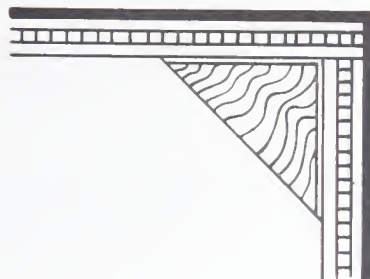
## Corner Treatment of Panels



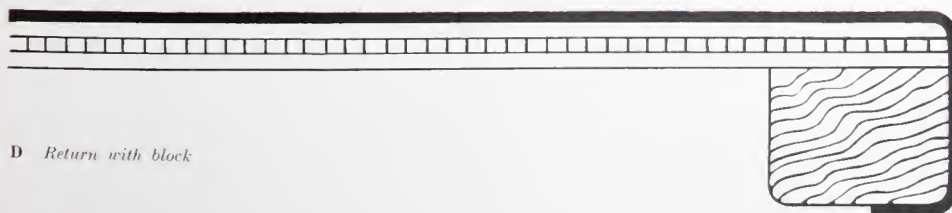
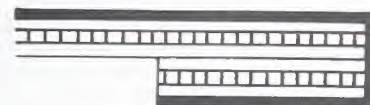
A *Right-angle bend*



B *Right-angle bend*



C *Return bend*



D *Return with block*

## ARMOURPLY Edge Treatment of Panels



*Sawn edge*



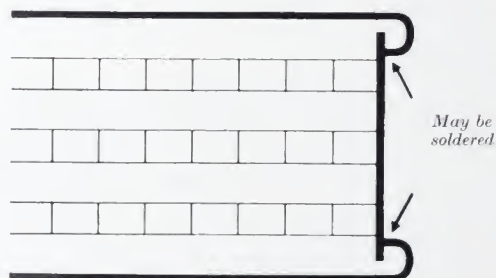
*Metal overhanging*



*Metal turned over and under*



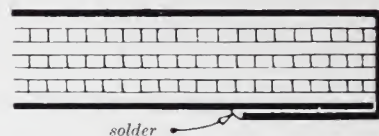
*Metal lap-sealed and soldered*



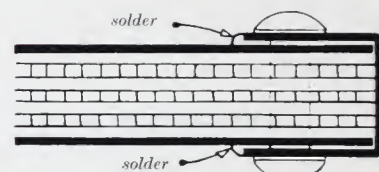
*Commercially sealed.  
Thick board*



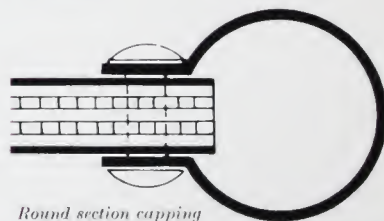
*Metal sealed and soldered*



*Metal turned over and  
under and soldered*



*Metal channel*  
Note.—Rivets additional or alternative  
to soldering



*Round section capping*

### PATENT EDGE SEALING



*Moisture sealed on mastic*  
Patent Nos.  
737,116 and 737,133



*Commercially sealed. Thin board*  
Patent Nos.  
737,116 and 737,133

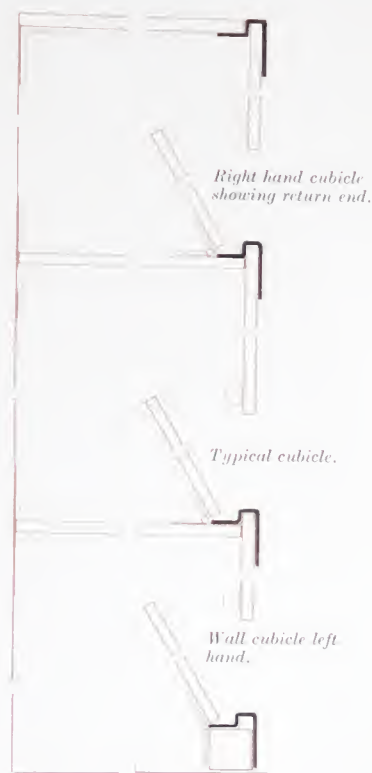
## ARMOURPLY CUBICLE SYSTEM

Architect designed Armourply Cubicles are factory made to Mallinson Standards into sections for quick and easy erection on site.

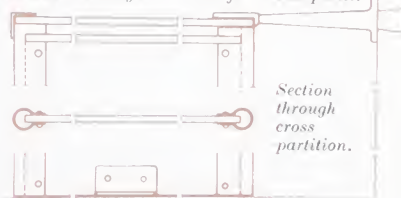
The design gives full flexibility for all site dimensions whether between walls or with free-standing ends and the exceptional advantage of quick, simple fixing. The distinctive features are:—

- Factory prefabrication giving the minimum of component panel assemblies on site.
- Clean hygienic design to withstand robust use.
- Available in galvanised steel or aluminium for painting.
- All mild steel metal sections are phosphate treated and prepared for painting.
- Anti-finger trap on all doors.
- Standard cubicles are supplied with falling butts to keep the door open whenever the cubicle is vacant. Straight butts, handles, indicator bolts, etc., can be supplied as extras if required.

Aluminium of anything less than 100% purity is not a completely finished surface material and should not be left untreated on cubicle panels. It should be slightly roughened and carefully painted on site to ensure proper protection for the metal.



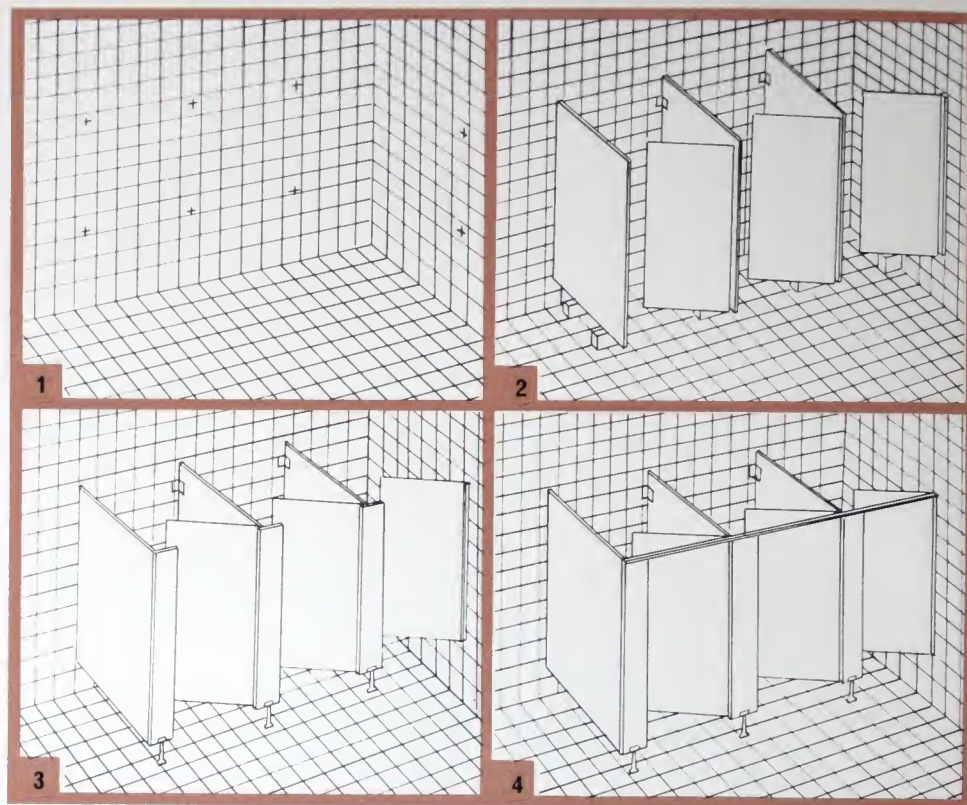
*Cross section through door and front end panel.*



A junior cubicle for schools, etc. is provided with a door height of 4' 11" but with every other detail similar to the design shown here.



## ARMOURPLY Cubicle System Erection Notes



- 1** Check that the walls are plumb and position wall plugs with the aid of a height rod. The angle cleats are jig-positioned to the cross partitions at the factory.
- 2** Fit partition/door assembly to pre-plugged wall.
- 3** Fit fascia panel into metal section and press pedestal into punched or plugged floor. Check for plumbness and then fix with five self-tapping screws through prepared holes in metal section.
- 4** Apply head angle. Check door alignment, then drive two self-tapping screws through prepared holes in headrail into top of fascia panel.

**MALLITE  
STANDARD  
PANELS**

**Veneered  
V-Groove**

## MALLITE Standard Panels

In addition to purpose made architectural panelling there are occasions when a cheaper standard panel is required. These are supplied in a variety of decorative woods, and as the name implies they are made to a high quality standard by manufacturing methods using up-to-date precision machinery and with standard decorative veneer faces. There is, of course, bound to be some variation between stocks even of the same wood, but this is reduced to a minimum by careful selection of the facing veneers to ensure matching as far as possible.

Decorative Woods normally available are :—

		Prices
		2/8 sq. ft.
QUARTERED OAK	Straight grained natural colour.	2/2 ..
STRIPEY SAPELE	Strongly striped, rich mahogany colour.	3/11 ..
WALNUT	Warm brown with showy grain.	2/11 ..
SYCAMORE	Plain white, close grained and smooth.	3/10 ..
TEAK	Rich golden brown colour.	
<b>STANDARD SIZES</b>	96" × 48" × $\frac{1}{4}$ " and 84" × 36" × $\frac{1}{4}$ "	

## Fixing and Finishing

The decorative faces are sand-papered to a fine finish so that the panels are ready for fitting and polishing. For panelling, the normal method of fixing is by pinning or screwing to grounds fastened to the wall, the edges of the panels being covered by the skirting at the bottom and by cover beads or mouldings at the joints between panels or along the top edge. For carcassing, normal joinery methods for plywood are used. The panels can be easily dimensioned, fitted and worked with the simplest woodworking tools.



## MALLITE V-GROOVE

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Mallite V-groove is a new treatment of standard decorative wood panels. These panels are made up with carefully selected veneers in random widths, each joint being accentuated with a V-groove to produce a planked effect, thus combining the attractiveness of solid timber with the advantages in ease of erection and low cost which are offered by large-size veneered panels.

Mallite V-groove panels are precision made and have a decorative quality which gives a distinctive effect wherever they are installed.

### Decorative Woods

		Prices
		2/7 sq. ft.
WHITE BIRCH	A smooth textured wood, light in colour.	
PLAIN NAKORA	A light coloured wood with pronounced grain marking.	2/4 ..
QUARTERED OAK	Fine grained Oak showing attractive ray figure.	2/8 ..
TEAK	Rich brown colour with attractive graining.	3/3 ..
STANDARD SIZE	96" x 48" x $\frac{1}{4}$ "	

### Fixing and Finishing

Fixing is through the grooves on to grounds at standard 16 in. intervals in the height of the panel and this facilitates also the butting of the panels, one to another and the concealing of the fixing panel pins. V-groove panels can be easily erected with the simplest woodworking tools.

### Lasting Economy

Mallite V-groove panels have all the special properties of a plywood construction in that they will not check or split, and provide a lasting finish which mellows and improves with age. Once these panels are installed, frequent and costly redecoration is eliminated.

Mallite Standard Panels and V-Groove can be seen fixed and polished at our Showroom.

# MALLITE EGB SERIES

In aircraft, weight and strength are of paramount importance and one pound in weight saved represents tens of pounds saving in operational costs per annum. Again in modern aircraft design wood plays an important part, not in traditional uses such as for propellers or plywood for fuselages, etc., but now the lightest wood of all—Balsa—weighing from 8 lb. per cu. ft.

Mallite EGB panels have a core of end-grain Balsa with the grain running perpendicular to the faces where its high compressive strength (1,400 p.s.i.), combined with the tensile strength of the facing materials, provides rigid, light and stable panels.

Because the Balsa used in Mallite EGB panels is very carefully graded the cores produced have the maximum strength for the minimum weight and this strength is equal in all planer directions.

Changes in temperature and humidity cause only small internal stresses in this core material so that Mallite EGB panels have a constant strength over a temperature range from  $-40^{\circ}$  to  $+50^{\circ}\text{C}$ .

The moisture absorption of Balsa is low and most of it is absorbed through the transverse face which in Mallite EGB panels is sealed by the facing materials. Thus the moisture absorption of an EGB.2 or EGB.4 panel is approximately 0.10 gms. per sq. cm. of exposed edge.

Where increased stiffness is required in one direction, the End Grain Balsa core can be reinforced by strips of a denser timber, having grain running parallel to the direction of required stiffness. Size and number of these reinforcements are determined by the structural requirements.

To this excellent core material can be bonded a variety of facing materials depending on ultimate strength requirements but in the Mallite EGB standard range two materials are selected for use.

- (a) "Durestos," which is a resin impregnated asbestos felt having a tensile strength of 30,000 p.s.i.
- (b) L.72 Aluminium Alloy, having a tensile strength of 53,760 p.s.i.

These combinations of materials produce panels which will cover the widest range of strength and weight requirements. Decorative finishes of either wood veneer or plastic can also be applied to them.

## MALLITE EGB RANGE

MALLITE EGB 2	End Grain Balsa reinforced with $\frac{1}{8}$ " wide Birch strips at 3" centres and faced with L.72 Aluminium Alloy.
MALLITE EGB 3	Standard End Grain Balsa faced with "Durestos."
MALLITE EGB 4	Standard End Grain Balsa faced with L.72 Aluminium Alloy.

# HYDROBORD

## FOR NEUTRON SHIELDING

In the nuclear field wood has its place. In a specialised form it is used in three main forms of shielding.

Hydrobord F—against fast neutrons.

Hydrobord T—against thermal neutrons.

Hydrobord FT—against both according to requirement.

For nuclear reactors it is necessary to shield fuelling machines to prevent harmful radiation from the fuel elements while being changed. While cast iron or lead is used against gamma radiation, Hydrobord, which contains hydrogen and boron, provides protection against neutrons. For this purpose large structures are built similar to those at Huckle Point, sections of which are illustrated.

The advantages of Hydrobord are that the vital elements are dispersed evenly throughout the mass and that, because of its structural strength, it can be built up into self supporting structures, it machines well to fine dimensional limits.

Hydrobord has been supplied for plants not only in Great Britain but also in Canada, Germany, Holland and Italy.

*The 9' 3 1/2" diameter annular sections being machined are part of the Hydrobord F Shielding for the 50' 0" high Hole Preparation Machine.*

*Contractors:—The English Electric, Babcock & Wilcox and Taylor Woodrow Atomic Power Group.*

### HYDROBORD DATA SHEET

	Hydrobord F	Hydrobord T
Size	Basic 56" x 30" (142 x 76 cm.) Fabricated to required shapes and sizes	Up to 96" x 48" (244 x 122 cm.)
Thickness	As required	1/4" (6.3 mm.) or as required
Density	83 lb. (37648.17 gms.) ft. <sup>3</sup>	104 lb. (47173.61 gms.) ft. <sup>3</sup>
Specific Weight	1.33 gms./cm. <sup>3</sup>	1.6 gms./cm. <sup>3</sup>
Thermal Conductivity	0.0055 cal./cm. <sup>2</sup> /sec./cm./°C	0.00428
Ultimate Compression Strength Through laminations Parallel to laminations	45,000 p.s.i. 20,000 p.s.i.	—
Ultimate Tensile Strength	23,000 p.s.i.	—
Ultimate Bending Stress	21,000 p.s.i.	—
Impact Strength	Izod Impact test with cup energy 20 ft./lb. Notched Parallel to laminae 2 1/2 ft./lb. Perpendicular to laminae 4 1/2 ft./lb.	—
Co-efficient of Thermal Expansion	5 x 10 <sup>-6</sup> through laminations 1/2 x 10 <sup>-6</sup> parallel to laminations	—
Chemical Composition	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	0.12 gms. Boron/cm. <sup>2</sup> (1/4" (6.3 mm.) thick)
Permitted Working Temperature	100°C. for short periods 50°C. constant maximum	—
Attenuation Factor	—	85 ± 15% deviation



# VENEERED PANELLING —Architectural

## Figure in Wood

Wood has through the ages been used as a decorative material and one has only to look around to see how in historic buildings and new buildings alike it has an enduring beauty unmatched by any other material. Wood has always been prized for its grain marking and figure, such as the ray in quartered oak or the mottle in mahogany. This figure is caused by the twisting of the grain during the growth of the tree which reflects the light and thus shows as a texture. The very beauty created by this figure must necessarily often be produced in veneer form not only because the solid wood might not remain stable but also because, in using veneer, matching panels one to another creates the balanced "en suite" effect which might not be possible in solid wood. Properly made veneered panels also stand up to modern central heating and, because the lamin-blockboard is available in large sheets, veneers can be jointed over to produce large size panels in a properly balanced construction.

We have specialised in the manufacture of veneered panels for over half a century and have supplied leading building contractors and joinery manufacturers for important buildings throughout the country as may be seen from the lists in this brochure.

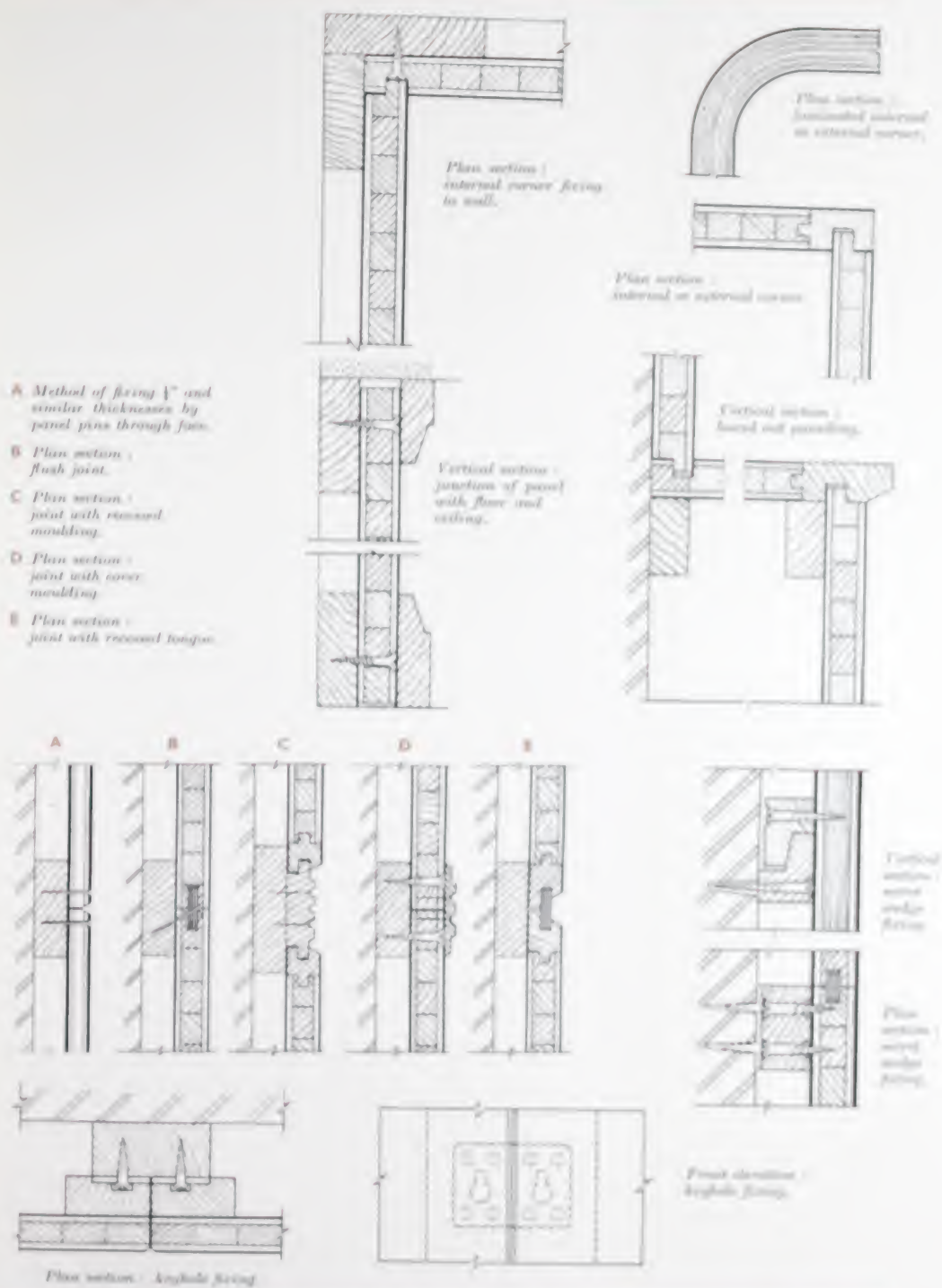
## Showrooms

For the use of Architects and Designers we have at our offices a series of Showrooms displaying some 100 panel stocks in large veneered panels. All these panels represent stocks currently available and show the real effect of their use in panelling which is impossible in small samples.

## Manufacture

Panels are manufactured at our Crayford factory to architects' schemes, all properly matched out, and are numbered according to their position for reference in erection. Sizes are provided by the contractor on site who is responsible for fitting and erection. Panels are sawn to these sizes, and sanded to a fine finish. For the best quality work we use a specially made lamin-blockboard, usually  $\frac{3}{4}$ " thick. Our own manufactured resin-bonded plywood, weather and boilproof bonded is used for thinner thicknesses. Flush doors veneered to match with the panelling and seasoned solid woods complete the scheme.

# Construction and Fixing Details



# VYNABOARD • VYNAPLY • MALLITE P.F. Ceiling Panels

Vynaboard and Vynaply are respectively hardboard and resin-bonded plywood faced with "Vynalast No. 1", a hard semi-rigid paper-backed P.V.C. foil produced by I.C.I. Ltd.

The colour goes right through the thickness of the foil and provides a surface which is not spoilt by surface scratches or rubbing.

"Vynalast" has a high resistance to all forms of abrasion and corrosion and offers good resistance to many chemicals including alcohol, most acids and alkalis, hydro-carbons, petrol and paraffin. It will also withstand a considerable degree of heat. The P.V.C. is bonded to B.S. 1203 (M.R.).

## Colours

Vynaboard and Vynaply panels can be supplied in the following attractive range of colours and embossed in several designs.

Red (RE.228)	Grey (GY.177)
Pale Blue (BL.7)	White (WH.1)
Bright Blue (BL.384)	Cream (CR.2)
Pale Green (GN.185)	Yellow (YE.37)
Bright Green (GN.187)	Black

All these colours have been specially selected and have a light fastness rating of at least Grade 6 to British Standard No. 1006. In addition to the above range there are a number of attractive printed effects.

## Standard Panel Sizes

### VYNABOARD

72" or 96" × 48"  
(108" or 120" × 48" can be  
specially supplied)

### VYNAPLY

72", 84" or 96" × 48"  
Cut sizes can also be supplied, but  
waste and cutting are charged  
extra.

## Working

Vynaboard and Vynaply can be sawn by hand, by circular saw or by band-saw. They can be planed, drilled, screwed, nailed or glued. The boards should be cut with the "Vynalast" face upwards so that the tool cuts through the foil first and then into the base material.

## Uses

For all kinds of vertical surfaces, such as wall linings, partitioning, shop-fitting and cabinet making. Both types of panels can be perforated for use as pegboard.



## Cleaning

The panels can be washed with warm water and soap or mild detergents. They will withstand scrubbing or can be wiped down with a cloth dampened in methylated spirits, white spirit, petrol or paraffin.

## Fixing

The panels can be pinned or screwed and glued or fitted into frames or metal extrusions.

## Prices

Per square foot for panels faced on one side, of the same size, colour and patterns.

VYNABOARD		1-11 Boards	12-25 Boards	Over 25 Boards
	$\frac{1}{8}$ " thick	1/5½	1/3½	1/2
VYNAPLY	$\frac{1}{8}$ " thick	2/1	1/10	1/8
	$\frac{1}{4}$ " ..	2/3½	2/-	1/10
	$\frac{3}{8}$ " ..	2/10	2/6	2/3

Prices for thicker boards on application.

The printed effects are 1d. per sq. ft. extra to the prices mentioned above.

Prices are net ex works Crayford, Kent.

Packing and delivery extra.

## MALLITE P.F. CEILING PANELS

Mallite P.F. Ceiling Panels are resin-bonded plywood faced with a semi-rigid white p.v.c. foil with a fine satin texture. As with Vynaboard and Vynaply the colour goes right through the thickness of the foil.

Mallite P.F. Ceiling Panels are widely used for deck-head linings in ships to eliminate the need for painting. When necessary the surface is cleaned by washing with a mild detergent, and the life of the panels is prolonged indefinitely.

## Sizes

72", 84", 96" x 48"

Cut sizes are supplied but the cutting and waste are charged extra.

## Thicknesses

$\frac{1}{4}$ "  
 $\frac{3}{8}$ "

### Prices

1:11½ in standard sizes

2:5½ " " " "

## Working

Panels can be cut by hand, by circular saw or band-saw, and machined by normal woodworking tools. It is important that cutting should be with the plastic surface upwards.

Among many important ships, Mallite P.F. Ceiling Panels were used in large quantities in S.S. *Oriana* and *Crabbea*.

# MEDINO

Pre-finished  
Demountable  
PARTITIONING  
SYSTEM

The Medino systems of partitioning are designed to meet the general requirements of offices, hospitals, and schools for divisions between working areas including low dwarf screens, free standing partitions, floor to ceiling sound insulating walls and semi or fully glazed walls or screens. W.C. cubicles and specially designed cupboards or movable unit rooms or cubicles are included in the standard design.

All materials are supplied to site fully finished so that no site finishing is required. To ensure skilled work of erection and of service before and after completion of a contract, specialist erectors have been appointed from among well known building and joinery contractors in over 20 areas of the United Kingdom and Eire. They hold stocks of panels and structural sections and deal with all matters concerning Medino Partitions in the local area.

There are two basic Medino Systems:

## MEDINO STANDARD PARTITIONS

The original Medino system which has been supplied and erected throughout Great Britain. Examples are to be seen in most cities of the U.K.

Aluminium extrusions form a slim line framing and structural support for colourful Medino hard plastic finish panels. Cork core and hard faces combine to provide sound reduction. Standard veneered Mallite Plywood faces with a hard clear Medino finish are available.

## CONSTRUCTION

### Structural Frame

Aluminium extrusions receive a standard thickness panel and there are three types according to ceiling height and structural strength requirement, and several basic shapes to form two-way, three-way, door surround and glazing frame structure.

### Panels

8' x 4'; 7' x 4' by 1  $\frac{3}{16}$ " thick, compressed resin bonded granulated cork core or resin bonded vermiculite. Selected hardboard; Mallite veneered plywood; or "Eternit" faces. Weight: 2.8 lbs./sq. ft. standard.

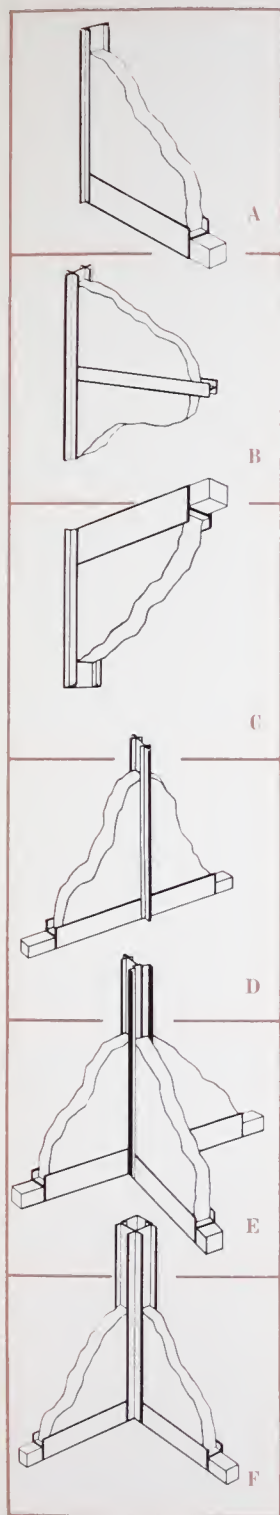
5.8 lbs./sq. ft. incombustible.

### Finishes

**Colour:** The Medino hard plastic colour is infra red cured to provide a smooth hard surface of great durability. British Standard colours recommended are:

Ivory	BS.3-040	Light Blue	BS.7083
Off White	BS.3-033	Light Green	BS.6070
Grey	BS.9094	Pink	MS.100

Any British Standard colour can be obtained.



## FINISHES (continued)

### Decorative Plywood :

Sapele	Walnut	Teak V-Groove	Birch V-Groove
Oak	Sycamore	Nakora V-Groove	

## Glazing

24 oz. or 32 oz. glass, and in special cases  $\frac{3}{16}$ " or  $\frac{1}{4}$ " plate can be fitted to the erected partitioning or in glazing frames made up beforehand for speed of erection. Frames are fitted to the structure in a similar way to the panels. Double glazing is provided for.

## Door Units

Overall size 8' x 4' or 7' x 4' with 6' 6" x 2' 9" door placed centrally and hung on three 3" Wyse butts and fitted with gear motion mortice lock and silver anodised aluminium lever furniture. Glazed openings to doors provided as required.

## GENERAL INFORMATION

### Fire Rating

The incombustible construction referred to above can be supplied to meet the L.C.C. Regulations, Section 20, for buildings over 80 ft., and surface spread of flame Class I.

### Thermal Conductivity

0.21 B.Th.U. per hr./sq. ft./inch/per degree F. for basic panel construction.

### Sound Reduction

26 db. at 200/2000 c.p.s. Panels fit tightly within section and the construction is solid from floor to ceiling. Double glazing is easily provided.

### Medino Finish

A highly durable synthetic plastic, thermoset in an infra red oven. Requires only an occasional wash down with mild detergent to last indefinitely. Colour fast to British Standards Specification.

### Wiring Provision

Horizontal floor and ceiling, vertical provision in door surrounds. Power plugs and light switches can be recessed in panels after installation.

### Typical Arrangement Details

- |                       |                     |
|-----------------------|---------------------|
| A. Wall Fixing.       | B. Horizontal Joint |
| C. Ceiling Connection | D. Vertical Joint   |
| E. 3 Way Junction.    | F. 2 Way Junction   |



## MEDINO "SPACE-PLAN" PARTITIONS

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A structural design of partitioning based on the most stringent functional requirements governed by regulations or technical specifications. Nevertheless the structure is simple enough to be erected by inexperienced teams and it is designed to accept panels of any dimensions and of thicknesses from  $\frac{1}{2}$ " to  $2\frac{1}{2}$ ".

The system is introduced in co-operation with Versatile Fittings (WHS) Ltd., whose Vizusell display stands for stores and supermarkets are well known throughout Great Britain, the basic principles of which are incorporated in "Space-plan" partitioning.

The feature of "Space-plan" which gives it its name is the provision in the structure for standard Vizusell brackets and fittings on which can be arranged desk ends, shelf units, desk trays, light fittings, cupboards, magazine racks, etc., without damaging the panels. This permits arrangement of office space, clearing the floor and desks of common clutter so that available floor space can be used to the fullest advantage.

## CONSTRUCTION

### Structural Frame

There is one basic structural steel section. This fully finished structural member is the basis of all panel fixing vertically, horizontally and in all four directions. The section itself can be dismantled to allow total demountability. The two halves of this structural section are separated by a sound and fire resisting barrier of asbestos or timber. The structure also provides for glazing and door surrounds, integral wiring and support for shelf brackets, etc. These sections are fully finished and supplied cut to length.

### Panels

$8' \times 4'$ ;  $7' \times 4' \times 2\frac{1}{4}"$ . Any thickness can be supplied from  $\frac{1}{2}"$ . Core 2" strawboard or 2" Dufaylite honeycomb. Selected Hardboard; Mallite veneered plywood or "Eternit",  $2" \times 1"$  grooved softwood vertical edges.

### Finishes

Colours and veneered finishes as for Standard Medino.

## Glazing

24 or 32 oz. glass, and where required  $\frac{3}{16}$ " or  $\frac{1}{4}$ " plate. Glazing bead is extruded grey rubber with zip-up glazing principle. There is no metal to metal contact in glazing detail.

## Door Units

Standard mass-produced doors can be fitted within the system. The aluminium door stop is supplied with rubber inserted buffers to act as the sound excluder. Doors normally 6' 6"  $\times$  2' 6"  $\times$  1 $\frac{3}{4}$ ", or 6' 6"  $\times$  3' 0"  $\times$  1 $\frac{3}{4}$ ". Hollow or solid according to requirements.

## GENERAL INFORMATION

### Fire Rating

The solid strawboard core construction satisfies B.S. 476 (1953) for  $\frac{1}{2}$ -hour fire resistance. B.S. 476 Class I spread of flame can be obtained.

### Thermal Conductivity

0.30 B.Th.U. per hr./sq. ft./inch/per degree F.

### Sound Reduction

30/32 db. at 100/3200 c.p.s.

### Medino Finish

Panels can be supplied with the highly durable Medino synthetic plastic finish, or with factory applied P.V.C. finishes. This construction is suitable for painting on site.

### Wiring Provision

In every vertical and every horizontal panel frame there is provision for four ducts of  $\frac{3}{4}$ " diameter. Power plugs and light switches can be recessed into the sections and also into the panels. Wiring can be applied at any time after erection by the simple removal of cover strips.

### "Space-plan" Fittings

Standard brackets and Vizusell fittings are available from stock; these can be locked to all vertical sections for a multitude of purposes. No fixing to panels is necessary. By this means complete interchangeability of panels is preserved.

## EXTRUSIONS



Zip up Rubber  
Double Glaze  
VM 101

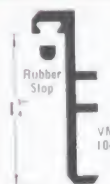


Patent applied for

Zip up Rubber  
Single Glaze  
VM 106



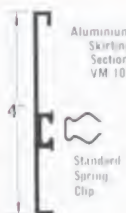
Patent applied for



Aluminium Door Trim



Standard Spring Clip



Aluminium Skirting  
Section  
VM 101

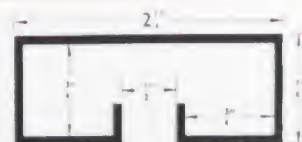
Standard Spring  
Clip



VM 102



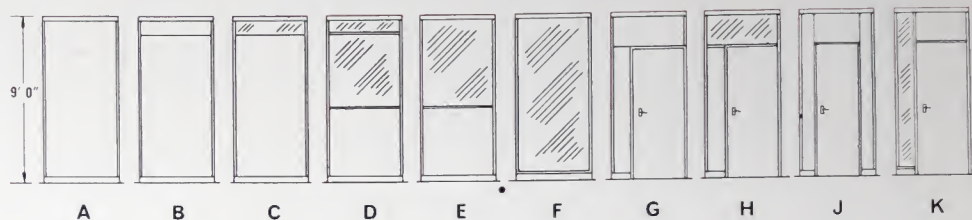
Steel  
Floor & Ceiling  
Saddle  
VM 112



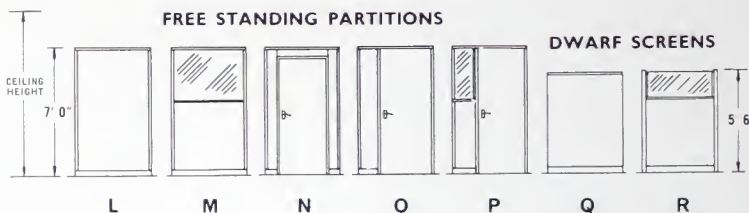
Basic Section VM 108  
Matt Black enamelled Steel Section

## TYPICAL PANEL TYPES

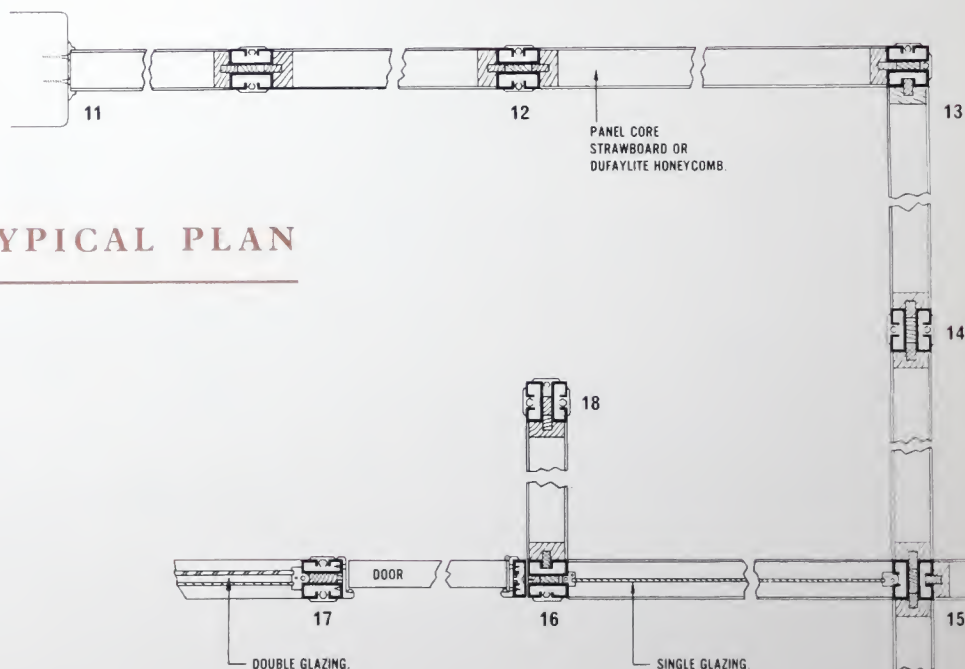
### FULL HEIGHT PARTITIONS



### FREE STANDING PARTITIONS



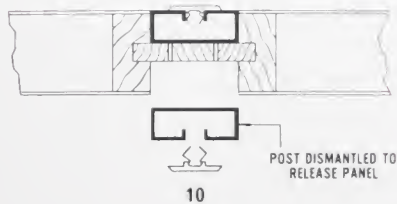
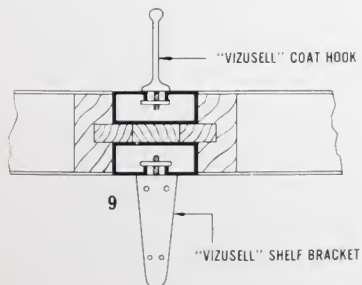
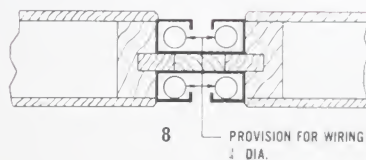
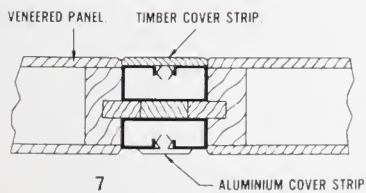
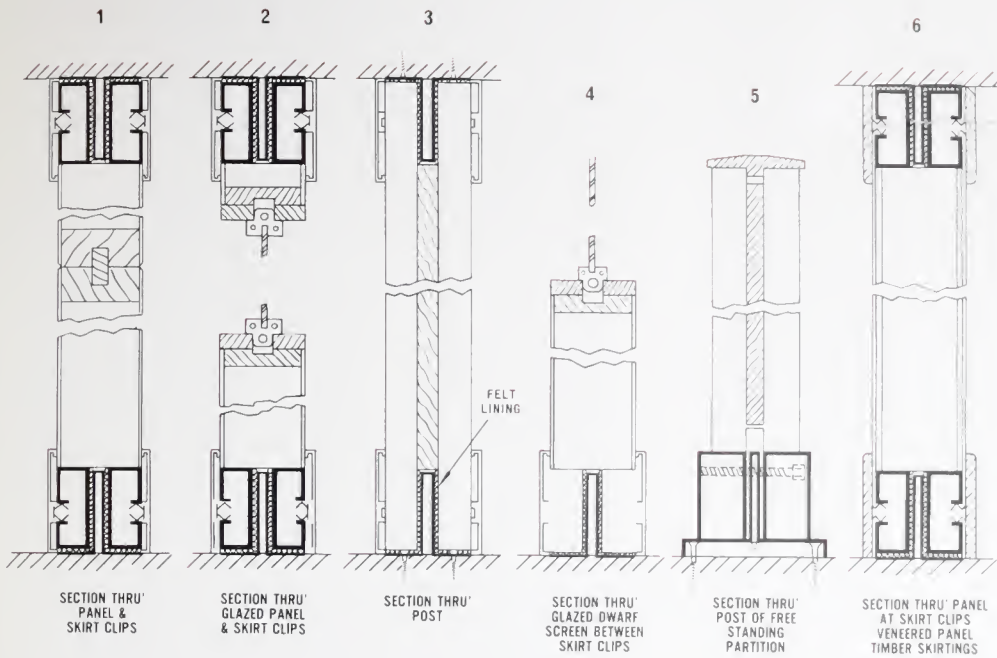
### DWARF SCREENS



## TYPICAL PLAN



# MEDINO "Space-Plan" Partitioning



## HARDWOODS

William Mallinson & Sons Limited, with world-wide interests, carry an unparalleled range of selected hardwoods from every part of the globe.

These are selected, in that we confine our imports of each species to sources which experience has told us are the best for texture, grade and specification. Many are passed on the spot by our inspectors before shipment to us.

They are selected for condition, either naturally seasoned over a long period in our yard, or kiln dried in our new kilns, to your choice.

They are selected again for particular purposes or contracts which our clients discuss with us and, where need be, they are selected to cover special cutting sizes.

Behind these selections lies the combined experience of our group—going back over 160 years—of trading in hardwoods.

Hardwood is not dead matter. It is a very living material, and varied in its beauty, its strength and its problems. We believe that those talented people who design and work in it achieve far greater success in overcoming the inevitable problems when they consult and use a specialist. The accumulated knowledge and world wide resources of William Mallinson & Sons Limited, entitles us to claim that there can be no organization in the world better qualified to serve them.

Quality is the keynote of our trading tradition, with a reputation for holding large stocks of both common and special timbers over a period that normally enables us to offer whatever is needed in a good naturally seasoned condition.

The standard of sticking and piling, essential for proper conditioning of hardwood, remains at the high pre-war level, and sensitive timbers are stored under cover in new sheds of special design.

Our kilns, of latest design, are available for final treatment when required. Our own Transport Department is at your service for delivery, and in Glasgow, Manchester, and Bury St. Edmunds we can also offer certain machining facilities.

## A GUIDE TO HARDWOODS

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We have felt the need of a hardwood guide, which will give at a glance the answers and comparisons so frequently required by Architects, Designers and Contractors. To serve its purpose, the guide must be concise. This involves the elimination of many details which on occasion will be relevant and important, but these can be obtained from us when required. It seems more important to tabulate the main facts in a way which can be read at a glance, without recourse to half a dozen separate sources. We hope that you will find the information overleaf of permanent use. We can normally supply all the timbers listed, in a range of thicknesses, log sawn or square edged, as appropriate, but have indicated cases of known difficulty.



# Notes for the Study of the William Mallinson

## GUIDE TO HARDWOODS

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### Colour

Colour is very difficult to define. Most timbers are variegated to some degree and many either bleach or darken on exposure. Colours are, therefore, given as a general guide only.

### Prices

Prices are for guidance, as at date of publication, and will be affected by any special selection for sizes, small quantities, or other individual reasons.

The price code used is :

A	Under 25s. per cu. ft.
B	26s. to 39s. per cu. ft.
C	40s. to 59s. per cu. ft.
D	Over 60s. per cu. ft.

All prices are per cubic foot, net ex yarded stock, kiln drying extra if required.

Kiln drying charges can vary from 2s. 6d. to 12s. 6d. per cubic foot, according to such factors as species, thickness, initial and final moisture content.

### Weight

The weights given are in lbs. per cu. ft. at 15% moisture content and are taken as an approximate average, based on information by the Timber Research and Development Association Ltd. and the Department of Scientific and Industrial Research (Forest Products Research Laboratory).

### Waste Cutting

Wastage factor percentages are mainly based on the data published by the Joinery Managers Association. It is important to note that wastage is bound to increase where difficult cutting lists are involved, or sizes are outside the normal range of a timber, or in some cases where the production is predominantly of a single size from a normal specification.

### Specification

Whilst we endeavour to import specifications most likely to suit the trade in general, it is quite impossible, even with our massive stocks, to have ready for immediate delivery all the sizes required from time to time. We have endeavoured to indicate, particularly for the benefit of the architect, designer and setter-out, where difficulty may arise. Many supply

problems can be overcome if we are consulted in the early stages of design. Given time, we can by special production, or importation, or by kiln drying overcome many supply difficulties which arise and at the same time effect economies in basic price, cutting waste or labour.

Standard thicknesses are usually  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ ",  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ ", 2",  $2\frac{1}{2}$ ", 3", thicker rising by whole inches.

Standard widths are usually about 6" and wider.

Standard lengths are usually about 6' 0" and longer.

Remember, however, we specialize in the unusual specification as well as the unusual species.

## Kiln Drying

We have for over 80 years specialized in carrying large stocks of naturally seasoned hardwoods for immediate use, but, in modern building temperatures, we advocate kiln drying for many purposes, especially in certain timbers. That is why, after more than 40 years of kiln drying, we have installed a further up-to-date battery of kilns. This processing of a wide species of hardwoods is no simple matter. It is a skill and almost an art born of the combination of the latest techniques with experience. We have kiln operators who have been with us since we started in this field. Please remember that some species and thicknesses take many weeks in the kiln to dry satisfactorily.

## Flooring

Our associated flooring company, WILLIAM MALLINSON & VIGERS (FLOORS) LIMITED, is able to offer an experienced and comprehensive service in the flooring field, for domestic, commercial, industrial, hospital and marine use.

We can offer material supply only, or the complete job supplied, laid, and polished, and the highest standards of supervision and workmanship are maintained.

We also manufacture, supply and lay the patent "Feltwood" hardwood mosaic overlay floor in  $\frac{1}{2}$ " nominal thickness, which we consider to be quite the best of its class.

Here are listed the main timbers which we normally carry in our flooring stocks, in approximate order of cost :

FLOORING TIMBERS	
LOW COST	
1" BLOCKS	W. African Mahogany Agba Guarea Danta Sapele Gurjun
STRIP mainly 1" x 3"	Factory Maple Prime Canadian Maple Gurjun
FELT- WOOD	Agba W. African Mahogany *Idigbo Sapele
MEDIUM COST	
1" BLOCKS	Opepe Panga Panga Iroko Japanese Maple Missanda *Afzelia Banga Wanga
STRIP mainly 1" x 3"	Oak (Tasmanian) Oak (European & Jap.) Opepe Japanese Maple Iroko Seraya *Afzelia Loliondo *Muninga Missanda Muhuhu Tasmanian Blackwood Australian Karri/Jarra
FELT- WOOD	Panga Panga Iroko *Afrormosia Loliondo Maple *Muninga Oak *Afzelia *Burma Teak Muhuhu Rhodesian Teak
HIGH COST	
1" BLOCKS	Loliondo *Muninga Afrormosia Oak Rhodesian Teak Muhuhu *Burma Teak
STRIP	Blackbean Australian Walnut
* An asterisk marks the items we consider suitable for use with under-floor heating.	





SPECIES	ORIGIN	COLOUR GUIDE	SQUARE 2 EDGES					
			BASIC PRICE	WEIGHT	WASTE %	CONSULT US FURTHER IF CUTTING SIZES EXCEED		
						FEET LONG	INCHES WIDE	INCHES THICK
ABURA	NIGERIA	Straw/Pink Brown	A	36	33	10	9	1
AFARA (Black)	NIGERIA, CONGO	Pale Yellow/Grey	B	35	25	12	9	4
AFRORMOSIA	GHANA	Golden Brown	C	44	25	14	12	4
AFZELIA	EAST & WEST AFRICA	Red Brown	B/C	44	25	12	9	4
AGBA	WEST AFRICA	Straw/Light Brown	A/B	30	25	12	9	4
APPLE	UNITED KINGDOM	Yellow/Brown	C	44	—	—	—	—
APA	NIGERIA	Yellow/Red, Brown	B/C	44	25	10	9	4
ASH	U.K., EUROPE, U.S.A., JAPAN	White/Cream	B	44	33	12	8	3
AVODIRE	WEST AFRICA	Cream/Yellow	C	35	25	12	8	2
AYAN	WEST AFRICA	Yellow/Cream	B/C	45	25	12	9	2
BALSA	ECUADOR	White/Cream	B	7/14	33	6	4	3
BASSWOOD	CANADA, U.S.A.	White/Cream, Brown	B	26	33	16	9	1
BEECH	EUROPE	White/Brown	A/B	40	33	9	8	4
BERLINIA	WEST AFRICA	Red Brown, Dark Streaks	C	42	25	12	9	2
BIRCH	EUROPE	White/Cream	A	42	25	7	5	2
BIRCH	CANADA	White/Brown	C	44	25	12	9	2
BLACKBEAN	AUSTRALIA	Rich Brown	D	44	25	12	9	6
BLACKWOOD	AFRICA	Dark Brown to Black	D	76	—	—	—	—
BLACKWOOD	TASMANIA	Red Brown to Grey	C/D	41	50	14	10	10
CAMPHORWOOD	EAST AFRICA	Yellow Brown	A/B	36	33	14	9	2
CAMWOOD	GHANA, NIGERIA	Red with Dark Streaks	C	60	33	12	10	3
CEDAR	CENTRAL AMERICA	Red Brown	C/D	29	25	14	10	2
CEDAR	NIGERIA	Pink/Red Brown	B	36	25	14	10	3
CEDAR (Western Red)	CANADA, U.S.A.	Straw/Brown	B	24	25	16	10	4
CEDAR (Lebanon)	UNITED KINGDOM	Variegated Cream/Pink Brown	A	36	—	—	—	—
CHAN	THAILAND	Red Brown	A	49	25	18	10	2
CHERRY	UNITED KINGDOM	Yellow/Pink Brown	B/C	38	—	—	—	—
CHERRY	WEST AFRICA	Pink/Red Brown	B	40	25	14	9	4



LOG CUT THROUGH AND THROUGH OR SQUARE 1 EDGE				PREPARED FLOORING	GENERALLY SUITABLE FOR JOINERY		AVAILABLE IN VENEERS	RECOMMENDED GENERAL OR SPECIALIST USE	
WASTE %	CONSULT US FURTHER IF CUTTING SIZES EXCEED				INTER- NAL	EXTER- NAL			
	FEET LONG	INCHES WIDE	INCHES THICK						
75	16	9	4	NO	YES	NO	NO	Furniture Fittings	1
50	16	15	4	NO	YES	NO	YES	Fittings, Joinery	2
75	18	18	6	YES	YES	YES	YES	Furniture Fittings, Joinery	3
50	16	15	2	YES	YES	YES	YES	Joinery, External Cladding	4
75	18	12	4	NO	YES	YES	YES	Fittings, Joinery, Cladding	5
100+	4	6	3	NO	YES	NO	YES	Turnery, Mallets	6
50	16	15	2	YES	YES	YES	YES	Joinery, External Cladding	7
100	18	12	4	NO	YES	NO	YES	Decorative Joinery, Coach and Boat Work	8
50	18	18	2	NO	YES	NO	YES	Fittings in conjunction with Veneers	9
50	18	18	2	NO	YES	YES	NO	Vehicle Work	10
—	—	—	—	NO	NO	NO	NO	Insulation, Models, Aircraft	11
—	—	—	—	NO	YES	NO	NO	Pianoforte Parts, Drawing Boards	12
75	12	9	4	YES	YES	NO	YES	Furniture, Fittings Equipment	13
50	18	15	2	NO	YES	YES	YES	Decorative Joinery, Vehicle Work	14
75	6	4	2	NO	NO	NO	YES	Furniture and Fittings	15
—	—	—	—	NO	YES	NO	YES	Furniture, Special Equipment, Aircraft	16
—	—	—	—	YES	YES	YES	YES	Furniture Fittings, Joinery	17
100+	5	4	1	NO	NO	NO	NO	Turnery, Small Components	18
—	—	—	—	YES	YES	YES	YES	Decorative Joinery	19
—	—	—	—	NO	YES	YES	NO	Joinery and Vehicle Work	20
—	—	—	—	NO	YES	YES	NO	Decorative Joinery	21
50	20	15	4	NO	YES	YES	YES	Cabinet Work, Linings, Boat Skins	22
50	20	15	4	NO	YES	YES	YES	Furniture, Fittings and Joinery	23
—	—	—	—	NO	YES	YES	NO	External Joinery and Cladding	24
100+	14	18	4	NO	YES	NO	YES	Joinery for Decorative Features, Linings	25
—	—	—	—	NO	YES	YES	NO	Joinery, Cills, Vehicle Work	26
100+	12	8	3	NO	YES	NO	YES	Furniture, Fittings, Joinery	27
50	18	15	4	NO	YES	YES	YES	Joinery and Vehicle Work	28

PLEASE TURN TO PAGE 60 FOR REMARKS

SPECIES	ORIGIN	COLOUR GUIDE	SQUARE 2 EDGES						
			BASIC PRICE	WEIGHT	WASTE %	CONSULT US FURTHER FOR CUTTING SIZES EXCEEDING			
						FEET LONG	INCHES WIDE	INCH THICK	
CHESTNUT (Sweet)	UNITED KINGDOM	Straw/Yellow Brown	A/B	34	—	—	—	—	—
CRABWOOD	CENTRAL AMERICA	Red Brown	B	39	33	14	9	2	
DANTA	WEST AFRICA	Red Brown	A/B	46	25	12	9	2	
DAHOMA	WEST AFRICA	Yellow Brown	B	45	25	16	9	4	
DOUSSIE	CAMEROONS	Red Brown	B/C	44	25	12	10	4	
EBONY	WEST AFRICA INDIA	Grey Brown/Black Grey Brown/Black	D D	63 73	— —	— —	— —	— —	— —
EDINAM	WEST AFRICA	Red Brown	A	34	25	12	10	4	
EMERI	GHANA	Straw/Yellow Brown	A/B	36	25	14	9	4	
ELM	UNITED KINGDOM, EUROPE	Grey/Brown	A/B	35	—	—	—	—	—
EUCALYPTUS	AUSTRALIA	Pink/Cream	B/C	40	25	14	8	2	
GABOON	EQUATORIAL AFRICA	Light Pink Brown	B	27	25	12	9	2	
GEDU NOHOR	WEST AFRICA	Red Brown	A	34	25	12	10	4	
GUAREA	WEST AFRICA	Pink/Red Brown	A/B	36	25	14	9	4	
GURJUN	BURMA	Red Brown	A	45	25	16	12	6	
GREENHEART	BRITISH GUIANA	Olive Green/Brown	B/C	65	33	16	12	4	
HORNBEAM	UNITED KINGDOM, EUROPE	White/Grey	A/B	47	—	—	—	—	—
IDIGBO	NIGERIA	Straw/Yellow Brown	A/B	36	25	14	9	4	
IROKO	WEST AFRICA	Yellow Brown	B/C	41	25	14	10	4	
JARRAH	AUSTRALIA	Dark Red	B/C	53	25	16	9	4	
JELUTONG	MALAYA	Cream	A/B	28	25	16	9	4	
KARRI	AUSTRALIA	Pink/Dark Red	B/C	53	25	16	9	4	
KERUING	MALAYA	Red Brown	A	45	25	16	9	4	
KINGWOOD	S. AMERICA	Purple	D	75	—	—	—	—	—
KOKRODUA	GHANA	Yellow Brown	C	44	25	16	12	4	
KUSIA	GHANA	Yellow/Orange Brown	A	47	25	16	12	4	
KWAO	SIAM	Yellow/Yellow Brown	B	42	33	14	9	2	
LACEWOOD	UNITED KINGDOM, EUROPE	Straw/Orange Red	B/C	40	—	—	—	—	—



EDGES		LOG CUT THROUGH AND THROUGH OR SQUARE 1 EDGE				PREPARED FLOORING	GENERALLY SUITABLE FOR JOINERY		AVAILABLE IN VENEERS	RECOMMENDED GENERAL OR SPECIALIST USE	
US FURTHER IF SIZES EXCEED	INCHES WIDE	INCHES THICK	CONSULT US FURTHER IF CUTTING SIZES EXCEED				INTER- NAL	EXTER- NAL			
			WASTE %	FEET LONG	INCHES WIDE						
—	—	75	16	15	4	NO	YES	YES	YES	Furniture, Fittings, Joinery	29
9	2	—	—	—	—	NO	YES	NO	NO	Joinery	30
9	2	50	20	15	2	NO	NO	YES	NO	Cills, Vehicle Work, Turnery	31
9	4	50	18	15	4	NO	NO	YES	NO	Cills and External Constructional Work	32
10	4	50	16	15	4	YES	YES	YES	YES	Joinery and External Cladding	33
—	—	100 + 100 +	2 2	3 3	1 1	NO	NO	NO	NO	Turnery, Lines and Small Decorative Features	34 35
10	4	50	18	18	4						NO
9	4	50	18	15	4	NO	YES	YES	YES	Joinery and Fittings	37
—	—	100 +	16	15	4	NO	YES	YES	YES	Joinery, Fittings, Boats, External Heavy Construction	38
8	2	—	—	—	—	NO	YES	NO	YES	In conjunction with Veneered Panels	39
9	2	50	16	15	4	NO	YES	NO	YES	Joinery and Plywood Manufacture	40
10	4	50	18	18	4	NO	YES	YES	YES	Joinery and Fittings	41
9	4	50	20	15	4	NO	YES	YES	YES	Joinery, Equipment, Vehicles, Drawn Metal Work	42
12	6	—	—	—	—	YES	YES	YES	NO	Joinery, Cills, External Construction	43
12	4	—	—	—	—	NO	NO	YES	NO	Mostly for External Construction and Marine Work	44
—	—	50 +	10	6	2	NO	NO	NO	NO	Piano Parts, Cogs, Chopping Blocks, Bearings, Electrical Parts	45
9	4	50	18	15	4	NO	YES	YES	YES	Joinery and Fittings	46
10	4	75	18	18	4	YES	YES	YES	YES	Joinery and Fittings, External Cladding, Lab. Bench Tops	47
9	4	—	—	—	—	YES	NO	YES	NO	External Joinery and Heavy Construction, Vehicles	48
9	4	—	—	—	—	NO	NO	NO	NO	Pattern Making, Fittings	49
9	4	—	—	—	—	YES	NO	YES	NO	External Joinery and Heavy Construction	50
9	4	—	—	—	—	YES	NO	YES	NO	Exterior Joinery and Constructional Work, Lorry Bottoms, &c.	51
—	—	100 +	6	3	2	NO	NO	NO	YES	Turnery and Small Decorative Work	52
12	4	75	18	18	6	YES	YES	YES	YES	Furniture, Fittings, Joinery	53
12	4	50	18	15	4	YES	YES	YES	YES	External Joinery and Construction, Vehicles	54
9	2	—	—	—	—	NO	YES	NO	NO	Flooring and Turnery	55
—	—	75	12	9	2	NO	YES	NO	YES	Joinery and Fittings	56

PLEASE TURN TO PAGE 60 FOR REMARKS



SPECIES	ORIGIN	COLOUR GUIDE			SQUARE 2 EDGES			
					WASTE %	CONSULT US FURTHER CUTTING SIZES EXCEE		
			BASIC PRICE	WEIGHT		FEET LONG	INCHES WIDE	INCH THIC
LARCH	UNITED KINGDOM	Variegated Red Brown	A/B	45	—	—	—	—
LAUREL	CEYLON, INDIA	Rich Dark Brown	D	48	—	—	—	—
LIMBA	NIGERIA, CONGO	Yellowish/Greyish White	B	35	25	12	9	4
LIME	UNITED KINGDOM	Grey/Cream	B/C	35	—	—	—	—
LOURO INAMUHY	BRAZIL	Light Brown	A	40	25	12	9	2
MAHOGANY	TOBASCO, CUBA	Rich Dark Red Brown	D	39	—	—	—	—
	BRITISH HONDURAS	Pink/Dark Red Brown	D	35	25	16	12	4
	WEST & EAST AFRICA	Light/Dark Red Brown	B	35	25	16	12	6
MAKORE	WEST AFRICA	Pink/Red Brown	B	40	25	14	9	4
MANSONIA	WEST AFRICA	Grey/Purple	B/C	38	33	12	9	3
MAPLE (Hard Rock)	CANADA, U.S.A.	Cream/Brown	B/C	46	25	16	9	4
MENGKULANG	MALAYA	Red Brown	B	45	25	16	9	4
MERANTI	MALAYA	Pink/Red Brown	A/B	35	25	16	9	4
MUNINGA	EAST AFRICA	Variegated Red/Golden Brown	C	40	25	12	9	5
MVULE	EAST AFRICA	Yellow Brown	B/C	41	25	14	10	4
MYRTLE	TASMANIA	Pink/Red Brown	C	46	33	12	8	2
NIANGON	GHANA	Pink/Red Brown	B	40	25	14	9	4
NYATOH	MALAYA	Pink/Red Brown	B	45	25	14	9	3
OAK	UNITED KINGDOM	Yellow Brown	A/D	45	33	8	6	2
	EUROPE	Yellow Brown	A/D	45	33	7	6	3
	JAPAN	Yellow Brown	B/D	42	33	10	10	4
	N. AMERICA	Yellow/Pink Brown	A/C	45	33	14	9	2
	TASMANIA	Cream/Pink Brown	B/C	40	25	14	8	2
OBECHÉ	WEST AFRICA	Cream/Yellow	A	24	25	12	10	2
OPEPE	NIGERIA	Yellow/Orange Brown	A	47	25	16	12	4
PADOUK	WEST AFRICA	Red with Dark Streaks	C/D	50	25	16	12	3
PEAR	UNITED KINGDOM, EUROPE	Yellow/Pink	B/C	44	—	—	—	—
	NIGERIA	Pink/Red Brown	B	36	25	14	10	3

EDGES		LOG CUT THROUGH AND THROUGH OR SQUARE 1 EDGE				PREPARED FLOORING	GENERALLY SUITABLE FOR JOINERY		AVAILABLE IN VENEERS	RECOMMENDED GENERAL OR SPECIALIST USE	
US FURTHER SIZES EXCEED	INCHES THICK	WASTE %	CONSULT US FURTHER IF CUTTING SIZES EXCEED				INTER- NAL	EXTER- NAL			
			FEET LONG	INCHES WIDE	INCHES THICK						
—	—	75	16	9	2	NO	YES	YES	NO	Joinery, Boat Work	57
—	—	100	14	9	4	NO	YES	NO	YES	Joinery and Fittings	58
9	4	50	16	15	4	NO	YES	NO	YES	Fittings and Joinery	59
—	—	10	8	12	4	NO	YES	NO	NO	Carving, Patterns	60
9	2	—	—	—	—	NO	YES	YES	NO	Inexpensive Fittings and Joinery, Vehicles	61
—	—	50	14	10	2	NO	YES	YES	YES	Fine Cabinet/Furniture Work and Joinery	62
12	4	50	18	18	6	NO	YES	YES	YES	Fine Cabinet/Furniture Work, Joinery, Patterns, Boat Skins	63
12	6	50	20	18	8	YES	YES	YES	YES	Furniture, Fittings and General Joinery	64
9	4	50	18	15	4	NO	YES	YES	YES	Joinery and Vehicle Work	65
9	3	75	18	9	4	YES	YES	YES	YES	Furniture, Joinery, Fittings	66
9	4	—	—	—	—	YES	YES	NO	YES	Flooring, Joinery, Fittings, Cutting Blocks, Turning	67
9	4	—	—	—	—	NO	YES	YES	NO	Joinery, Cills, Vehicle Work	68
9	4	—	—	—	—	NO	YES	YES	NO	Inexpensive Joinery, Cills, Fittings, Vehicle Work	69
9	5	75	16	9	4	YES	YES	YES	YES	High Class Furniture, Fittings, Joinery	70
10	4	75	18	18	4	YES	YES	YES	YES	Joinery and Fittings, External Cladding, Bench Tops	71
8	2	—	—	—	—	NO	YES	NO	YES	Furniture, Fittings, Equipment	72
9	4	50	18	15	4	NO	YES	YES	NO	Fine Cabinet/Furniture Work and Joinery	73
9	3	—	—	—	—	NO	YES	YES	NO	Inexpensive Joinery, Cills, Fittings, Vehicle Work	74
6	2	100	14	10	6	YES	YES	YES	YES	Furniture, Joinery, Constructional. Traditionally for Church work	75
6	3	100	14	8	4	YES	YES	YES	YES	Furniture, Joinery, Constructional. Traditionally for Church work	76
10	4	—	—	—	—	YES	YES	NO	YES	Generally as United Kingdom Oak	77
9	2	—	—	—	—	YES	YES	YES	NO	Mostly Furniture	78
8	2	—	—	—	—	YES	YES	NO	YES	Flooring, Furniture, Joinery, Fittings, Vehicles	79
10	2	50	18	24	4	NO	NO	NO	YES	General Fittings, Carcassing, Furniture	80
12	4	50	18	15	4	YES	YES	YES	YES	External Joinery and Construction, Vehicles	81
12	3	—	—	—	—	NO	YES	YES	YES	Decorative Joinery	82
—	—	100	6	4	2	NO	YES	NO	YES	Turnery, Furniture	83
10	3	50	20	15	4	NO	YES	YES	YES	Furniture, Fittings, Joinery	84

PLEASE TURN TO PAGE 60 FOR REMARKS



SPECIES	ORIGIN	COLOUR GUIDE	SQUARE 2 EDGES						
			BASIC PRICE	WEIGHT	WASTE %	CONSULT US FURTHER CUTTING SIZES EXCEE			
						FEET LONG	INCHES WIDE	INCH THIC	
PLANE	UNITED KINGDOM, EUROPE	Straw/Pink	A/B	40	—	—	—	—	—
POPLAR	UNITED KINGDOM, EUROPE	Grey White	A	28	—	—	—	—	—
	AMERICA	Grey White/Olive Green	B	29	25	14	9	2	2
PODO	EAST AFRICA	Straw/Cream	A	32	25	12	8	2	2
PURPLEHEART	BRITISH GUIANA	Dark Purple Brown	A/B	55	33	14	9	2	2
RAMIN	BORNEO, SARAWAK	Light Straw/Creamy White	A	42	25	14	8	2	2
ROSEWOOD	HONDURAS	Variegated Purple/Brown	D	60	—	—	—	—	—
	INDIA	Dark Purple Brown	D	54	—	—	—	—	—
	BRAZIL	Variegated Purple/Brown	D	54	33	8	6	1 1/2	1 1/2
SAPELE	WEST AFRICA	Red Brown	A/B	40	25	14	10	4	4
SATINWOOD	CEYLON	Yellow	D	61	—	—	—	—	—
SERAYAH	BORNEO, SARAWAK	Pink/Red Brown	B	35	25	16	9	4	4
SITKA SPRUCE	CANADA, U.S.A.	Straw/Cream	B/D	28	25	24	9	6	6
SYCAMORE	UNITED KINGDOM	White/Cream	C	39	—	—	—	—	—
TEAK	BURMA, THAILAND	Yellow/Brown	C/D	40	15	16	12	6	6
TIAMA	WEST AFRICA	Red Brown	A/B	34	25	12	10	4	4
TOLA	EQUATORIAL AFRICA	Straw/Light Brown	A/B	30	25	12	9	4	4
UTILE	WEST AFRICA	Red Brown	B	41	25	14	10	4	4
WALNUT	AMERICA	Grey/Dark Purple	D	40	33	12	9	4	4
	ANCONA	Grey/Warm Brown	D	40	—	—	—	—	—
	FRANCE	Grey/Warm Brown	D	40	—	—	—	—	—
	ENGLAND	Grey/Dark Brown	C/D	40	—	—	—	—	—
	AUSTRALIA	Variegated Pink Brown/Dark Brown	D	46	33	12	9	5	5
	NIGERIA	Yellow Brown/Brown	B	34	25	12	9	4	4
YANG	THAILAND	Red Brown/Dark Brown	A	45	25	16	12	6	6
YEW	UNITED KINGDOM	Variegated Straw Pink/Red	C	48	—	—	—	—	—



EDGES		LOG CUT THROUGH AND THROUGH OR SQUARE 1 EDGE				PREPARED FLOORING	GENERALLY SUITABLE FOR JOINERY		AVAILABLE IN VENEERS	RECOMMENDED GENERAL OR SPECIALIST USE	
S FURTHER IF SIZES EXCEED	INCHES THICK	WASTE %	CONSULT US FURTHER IF CUTTING SIZES EXCEED		INTER- NAL		EXTER- NAL				
			FEET LONG	INCHES WIDE							INCHES THICK
—	—	75	8	9	2	NO	YES	NO	YES	Furniture and Fittings, generally with Veneers	85
—	—	75	16	15	2	NO	NO	NO	NO	Vehicle Work, Inexpensive Joinery	86
9	2	—	—	—	—	NO	YES	NO	NO	Equipment and Fittings	87
8	2	—	—	—	—	NO	YES	NO	NO	Inexpensive Joinery	88
9	2	—	—	—	—	NO	YES	YES	NO	Engineering and External Construction	89
8	2	—	—	—	—	NO	NO	NO	NO	Furniture and Mouldings	90
—	—	100+	4	5	2	NO	NO	NO	YES	Decorative Features, Small Mouldings, Handles	91
—	—	100+	10	6	4	NO	YES	NO	YES	Decorative Features, Furniture	92
6	1½	100+	10	6	4	NO	YES	NO	YES	Decorative Features, Furniture	93
0	4	50	18	15	4	YES	YES	YES	YES	Furniture, Joinery, Vehicles	94
—	—	100+	8	8	2	NO	YES	NO	NO	Furniture and Decorative Features	95
9	4	50	20	10	4	YES	YES	YES	NO	Joinery and Ship Work	96
9	6	—	—	—	—	NO	YES	NO	NO	Aircraft, Boats and Masts	97
—	—	100	10	10	4	NO	YES	NO	YES	Joinery, Work Tops, Fitments	98
2	6	75	20	15	6	YES	YES	YES	YES	Joinery, Furniture, Ship Work, etc.	99
0	4	50	18	18	4	NO	YES	YES	NO	Joinery and Fittings	100
0	4	75	18	12	4	NO	YES	YES	YES	Fittings, Joinery, Cladding	101
0	4	50	24	18	4	YES	YES	YES	YES	Joinery, Fittings, Cladding, Furniture, Vehicles	102
—	4	—	—	—	—	NO	YES	NO	YES	Fine Joinery, Fittings and Furniture	103
—	—	100+	8	9	4	NO	YES	NO	YES	Fine Joinery, Fittings and Furniture	104
—	—	100+	8	9	4	NO	YES	NO	YES	Fine Joinery, Fittings and Furniture	105
—	—	100+	5	7	2	NO	YES	NO	YES	Turnery, Small Fitments	106
5	—	—	—	—	—	YES	YES	NO	YES	Fine Joinery, Fittings and Furniture	107
4	75	16	12	4	4	NO	YES	YES	YES	As alternatives to the richer true Walnuts	108
6	—	—	—	—	—	YES	YES	YES	NO	Joinery, Vehicles, Exterior Construction	109
—	—	100+	6	7	2	NO	YES	NO	YES	Furniture and Decorative Features, Turnery	110

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**REMARKS**  
Continued from  
pages 52-59

1	Generally log sawn. Some resistance to acid.	30	Available generally by forward shipment.
2	Similar to Limba.	31	Generally by forward shipment.
3	Widely used as an alternative to Teak which it resembles in appearance.	32	Generally by special importation.
4	Another Teak alternative of outstanding stability and durability.	33	Of outstanding stability and durability.
5	Resinous and fairly aromatic.	34	Normally in small solid logs and in short supply.
6	Limited availability. Occasional special panelling and furniture.	35	
7	Similar to Afzelia.	36	Similar to Sapele/African Mahogany.
8	English and European log cut readily available and preferred in United Kingdom. Dark heart is a normal feature.	37	Similar to Idigbo.
9	Limited availability.	38	The Wych/Dutch species must be carefully selected and kiln dried for finer work. The grain variation and sound burrs or knots should be incorporated as a decorative feature.
10	Generally available by special importation.	39	General purposes and decoration.
11	Specialist uses in aircraft, boats, models and insulation.	40	Limited supplies in lumber.
12	Generally available by special importation.	41	Similar to Sapele/African Mahogany.
13	Yugoslavian is the most widely used and is generally steamed giving pinkish colour. Special selection needed for "white" wood in all species.	42	Great care is required to select correctly for the particular work in hand.
14	Generally by special importation.	43	Special selection required for internal joinery.
15	Normally special importation for small work only.	44	Generally kept in large solid logs, which reach 40 ft. and longer with a limited specialist use.
16	Preferable to build up over 2" thickness.	45	Mainly for specialist uses.
17	Outstanding for decorative work of character and quality. Adequate supplies.	46	Sometimes used for an inexpensive "Oak" finish.
18	Limited availability.	47	Used as an alternative to Teak. Obtainable in large dimensions for tops.
19	Limited availability except strips.	48	Can only very rarely be used for first class joinery finish due to gum and tendency to shake in the heavier dimensions.
20	Generally by special importation.	49	Used widely as alternative to Quebec Yellow Pine.
21	Very hard with a small shrinkage factor.	50	Practically indistinguishable from Jarrah.
22	Aromatic—similar to Mahogany in appearance and general properties.	51	Gum generally makes unsuitable for good interior joinery, otherwise similar to Yang/Gurjun.
23	This is the Cedrata species of Guarea.	52	Usually in small solid logs. Limited availability.
24	Normally needs no protective covering and weathers to silver grey. Botanically a soft wood.	53	As "Afromosia."
25	Aromatic. Colour variation and sound knots must be treated as a decorative feature. Botanically a soft wood.	54	Very durable, must be carefully selected to reduce heavy surface shaking.
26	Similar to Gurjun/Yang. Limited availability.	55	Machining and wearing properties somewhat similar to Maple. Limited availability.
27	The demand for this wood is increasing and we have accordingly built up our stocks.	56	Highly decorative figuring obtained by quartering.
28	A handsome joinery and furniture wood.	57	Botanically a soft wood. Subject to special selection for particular use.
29	Similar in appearance to Plain Oak—a wood to be recommended.	58	An outstanding decorative wood for a dignified finish.



59	An attractive light coloured joinery wood.	85	Furniture and internal joinery.
60	Patterns, models, carving and joinery.	86	Tough in relation to its weight.
61	Allied species to African Camphorwood.	87	Generally available by special importation. Previously called American Whitewood.
62	Limited supplies. 40 years seasoned.	88	Generally available by special importation. Botanically a soft wood.
63	The finest Mahogany available to-day in large quantities.	89	Supplies limited.
64	Very widely used as an alternative to true Mahogany.	90	Not generally used for joinery as its satisfactory use is considered limited to small sizes.
65	An attractive furniture and joinery wood.	91	Limited supplies.
66	Often used as an alternative to American Walnut which it somewhat resembles. Firm and close grained for a fine finish.	92	Usually called "Bombay." Supplies limited but generally adequate.
67	"White" wood only obtainable by heavy selection or by special importation.	93	Usually called "Rio." Supplies limited but generally adequate.
68	Botanically the same as Niangon.	94	Not a naturally stable wood so must be very fully seasoned. Widely used cut on the true quarter to obtain the "ribbon stripe" effect.
69	A general purpose timber.	95	Limited supplies.
70	Very attractive with decorative variation of colours. Favourably comparable with Teak for stability and can be used externally without treatment.	96	Similar to Meranti.
71	As Iroko.	97	Botanically a soft wood. Great experience required in selection for the particular use.
72	Generally available by special importation.	98	Specialised knowledge in selection and seasoning needed to procure "white" colour. Many trees will have darker heart.
73	Has proved itself particularly well for semi-exterior work, frames, glazing bars, etc. Generally by special importation.	99	Conditions have caused the wood to arrive here in a less seasoned condition than in pre-war days.
74	Similar to Meranti.	100	Similar to Sapele/African Mahogany.
75	For first class joinery work great care and experience is needed in selection. We have large stocks for this purpose. Also for half timbering, roof timbers, etc. Stocks include the much sought after Brown Oak.	101	Gum exudation, mostly in logs, sometimes troublesome.
76	The best is from Yugoslavia (ex Austrian). More limited in size than from U.K.	102	Widely used—considered more stable than Sapele. Can be made available in very large sizes.
77	Not generally accepted for the best class of work and limited in dimensions.	103	We have adequate supplies now available.
78	We normally import against special requirements only.	104	Limited supplies.
79	Not true Quercus. For some purposes also used as alternative to Ash. Straight grained.	105	We have adequate supplies available—each log selected by our own inspector in France, before shipment.
80	Very stable when dry. Rather soft.	106	Limited supplies which are mostly for turning. French Walnut is a close alternative for joinery.
81	As Kusia.	107	Not a true walnut but gives fine results, with often a pronounced stripe as a desired feature. We have now been able to obtain improved supplies.
82	Gives a lustrous decorative finish.	108	Ample supplies where an inexpensive alternative is required to the true European species.
83	Very limited supplies.	109	Needs careful seasoning and selection for interior joinery.
84	This is the name applied to highly selected Guarea Thompsonii.	110	Botanically a soft wood but gives a fine lustrous finish. The colour variation and natural defects must be treated as decorative features. Limited supplies.





# SPECIFICATIONS

This booklet has described the materials stocked and manufactured by William Mallinson & Sons Ltd., and the wide range of industries to which they have been supplied over the years.

The wealth of experience accumulated in this process is fully at the disposal of all concerned with the selection of decorative or functional materials.

After selection in our Showrooms (*please see facing page*), **specification** is required to put that selection into effect. The following notes on the reason for, and methods of, specifying may be of assistance.

## REASONS FOR SPECIFICATION

1. The Architect or Designer can personally select the panel stock or other product from a wide range (woods vary even in their own species), and in hardwoods for joinery time can be given to ensure proper conditioning.
2. Lengthy descriptive instructions (which may not be fool-proof) are eliminated.
3. Misinterpretations of the appearance, quality or performance required are eliminated.
4. Tenderers can quote more quickly. They do not have to search for a supplier.
5. Direct comparison is possible between competing tenders, because the specified article is common to all.
6. The finished work is then exactly what was wanted.

## GUIDE SPECIFICATIONS

### HARDWOODS

"All joinery is to be carried out in hardwood to be obtained from William Mallinson & Sons Ltd., 130, Hackney Road, London, E.2, at the following prices per cubic foot ex yard." (*Give list of woods and prices*).

### PLYWOOD, Etc.

"All plywood is (*Brand Name\**) to be obtained from William Mallinson & Sons Ltd., 130, Hackney Road, London, E.2, at the following prices per 100 square feet ex factory."

*\*Lydney British Made Plywood.*

*Plyform,  $\frac{3}{4}$ " thick (etc.)*

*Agriply,  $\frac{3}{8}$ " thick (etc.)*

*Sealface*

*Aquaply*

*Armourply (etc).*

Using the Brand Name implies full description of the product.

### MEDINO PARTITIONING

"Partitions throughout to be Medino Partitioning system, supplied and erected by (*name and address of local specialist erector*).

Allow p.c. sum £....."

### VENEERED PANELS

"Decorative veneered panels are to be made and supplied by William Mallinson & Sons Ltd. All panels will be made to size and matched out in sequence according to the Architects' designs. Prices are for panels up to 8 ft.  $\times$  4 ft. (panels over that size are charged at 1s. sq. ft. extra). Edge lippings are to be in matching hardwoods".

*Example:-*

#### **Board Room**

Panel Stock No. 1234/123, *Figured Aspen*.

$\frac{3}{4}$ " thick @ *x/-* per sq. ft. Lipping at *y/-* per foot run extra.

#### **Council Chamber**

Panel Stock No. 5678/567, *Mottled Teak*.

$\frac{3}{4}$ " thick @ *a/-* per sq. ft.

$\frac{1}{2}$ " thick @ *b/-* per sq. ft.

Advice on the Specification of all materials not included in the examples above will gladly be given on request.

## Permanent Showrooms

at 130 Hackney Road,  
London, E.2.



**William Mallinson  
and Sons Ltd.**

130 HACKNEY ROAD · LONDON E.2 · Telephone: SHOREDITCH 7654















